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NATIONAL INTELLIGENCE

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THE PARTICIPATE OF COLUMN

Intelligence is collected and analyzed account contraint echelons. Architected empany is the fills conducts scentific and other observational artificities in its immediate also of preventions. The commanding officers of battalions, regiment, divisions, and armies similarly egly on intelligence — either developed by their own G-2's or received from other echelons — to support them in the execution of their missions. There may at times be an unhappy suplication of activities by the intelligence may at the hierarchy, but the desirability of giving intelligence support to the operational commands at all levels is not seriously questioned.

Defore World War II, the highest schelon of intelligence in the United States was the departmental level. Military analyses were produced by the War and Navy Departments and political analyses by the State Department to assist the respective secretaries in the discharge of their responsibilities. Estimates produced by say the. War Department did on occasion go beyond a mere review of military, considerations to take in other elements of the situation as well.

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tensions between wars called increasingly for assessments.

military capabilities, not in isolation but is continuous with economic strengths, state of scientific acquirements, political intentions, and phychological valuerabilities. The War Department, however, was then blearly giving its views on matters in which other agencies might claim a greater competence, and presumptive departmental bias of its astimates tended to vitiate their acceptability. The need was clear for a mechanism to provide the President and those who assisted him in formulating national policy with coordinated intelligence analyses on matters which transcended the competence of a single department — in short, with national intelligence.

World War II Arrangements

World War II struck bomo the wagent requirement for improved itelligence support to those who commutated national strategy.

Starl Harbor was a clear failure of intelligence; the choice of target was a complete surprise. The failure was much more one of intelligence assessment than of collection. Sough information was at hand worke it clear that the Japanese were preparing to break off relations

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analysis of the information acquired, no responsible official was led to appreciate the possibility of an imminent attack on Hawaii. Despite the victory over Japan, the stamp of Pearl Harbor remained incelible on the American consciousness. The Hoover Commission in 1955 observed, "The CIA may well attribute its existence to the surprise attack on Pearl Harbor."

develop the machinery for producing national intelligence. In July 1941, the Office of the Coordinator of War Information was set up with a charter to collect and analyze strategic intelligence and furnish the results to the President and other agencies. The office was transformed after Pearl Harbor into the Office of Strategic.

Services (OSS). Strategic intelligence, pertaining an it does to the capabilities, vulnerabilities, and probable courses of action of foreign nations, covers much the same ground as national intelligence, in that both types are commonly addressed to the top officials charged.

With formulating and executing national policy. In the structest name of the term, nowever, strategic intelligence can be consucted as she interpretated to other tests with the national or other tests without being offered, like national

Nevertheless OSS was a lineal encestor of CIA and so a locality to probability the stimulate indicate inclinate inclinate and the development of the presentably for probability in probability to probability to probability to the stimulate it gave to the test the scholarly techniques in the intelligence shalvaid. A recognist acutost class by the handress, many of whom served as utility is in secretary intelligence agencies and were emong the first to articulate a doctrine of intelligence to encompass the argenization and activities of the national intelligence resembly.

OSS fild not affect the interagency coordination required to dignity
its analyses with the davignation of national intelligence. The synthesis
of intelligence during the war was rather sentered in the Joint Intelligence Committee of the Joint Chiefs of State. OSS was represented on
the JIC slong with the Department of State, the Foreign Economic
Administration, and the military services. It is quantimable whether
even the centralized intelligence performed under the JK could strictly
be called national intelligence, since its purpose was to support the
requirements of the Joint Chiefs of Staff rather than the nation's officials
shows the Joint Chiefs' level. Joint collection groups staffed by civilians
and military officers were set up in the various military theaters. The
joint effort was also successful in bringing out a good compendium of
data on terrain, targets, population and other items of basic

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enterpretations. Dut no conference and a second sec

Part of Course

It was widely appreciated that the warting Hall proces structure was make shift, but there was wide spread disagregated at the see of the war on the best institutional arrangements are labellerare production. In second quarters, there was advocator of a stage controlland agency. Elsewhere, a controllised accour, which middle ingreasurer accounts to itself activities traditionally performed by the intuitigence organizations within the military services, was viewed as sedengering the fulfillment of military missions. The sature of the compromise fishly evolved was foreshadowed in Jenuary 1946 when the President issued an executive order setting up a National Intelligence Authority composed of the Secretaries of State, War, Navy and the President's personal representative The National Intelligetics Authority served in the nature of a board of directors over a Central Estalligones Orong, which operated under two basic principles. First, its mission was principally to coordinate the imelligence produced in the various departments of the government.

Trailered Destinance Authority contest Self-land to performed

These two principles for the production of intimed intelligence were retained by Compress in 1947, when it passed the legislation that provides the statutory charter for the intelligence community as it is organized today.

National Intelligence as a fully delinested rather than embryonic form may be deted from the National Security Act of 1947 (amended in 1949). One provision of the act set up the Central Intelligence Agency to integrate the intelligence produced within the executive departments so that it might serve the makers of national policy. Even more important, the act originated the National Security Council, which evercises the greate at influence under the President in the integration of the nation's military and foreign policies and serves as the principal consumor, so to speak, of antiqual intelligence. In the business world, there can be no sustained inventment in facilities to produce goods for which there is no market demand. In the covernment similarly, efficient services are not likely to be offered where there is no articulated demand for those services. The Medienal Security Council has made insistent dom ands on national intelligence, and the infelligence community has steadily improved its skills in telloring its product to the new market.

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This orientation of intelligence to the requirements of national policy has been further executing by the Council's statuted suther ity over intelligence production. At mideralescing of the national intelligence process presupposes in process of the rate of the Council.

The State of Land by Committee

The President presides ever the mostless of the Retional Security Council. In addition, there are four other statutury members; the Vice President, the Secretary of Sinte, the Secretary of Defense, and the Director of the Office of Civil and Defense habilitation -- the last bringing to the meetings one qualified to help the policy makers assess the government's military and foreign commitments in the light of its economic and mobilisation readiness capabilities. The consideration of economic realities on all matters of national strategy is further ensured by the invariable pressure at Countil meetings of the Secretary of the Treasury and the Director of the Bureau of the Budget, although these officials are not sincetery members. In softing, the President on occasion invites other officials to sit in an meetings if the agenda includes items in which they have a special beforest. Buch ad hoc participants have included the Secretary of Commerce, the Secretary of Interior, the Attorney-General, the Authorisedor to the United Nations, the Chiefs of Staff of the Armed Services, and others.

CANADA A MINA A CANADA A CANAD

The neganizational Structure Structure Structure the society reflects

Its three-pided responsibility. Plant, is some mount the information

it needs to support its policy recommendation. Associar as this involves
the collector of intelligence on secular delicate, the inventorys considered its important to give the Council direct subscript over the national intelligence process. The statute places the Council intelligence Agency under the Council, with the Director of the Clif seministratively answership to the Council.

Second, the Council must "advise the President with respect to the integration of domestic, foreign, and military policies in relation to national accuraty" to use the language of the statute. The formal instrument for implementing this function is the national security policy paper, which is prepared for Council consideration by the National Security Council Planning Board. This Board is composed of representatives. In the assistant secretary level, from the same agencies represented on Council total. Thus Planning Board members are drawn from the

Indget; advisers from the JCS and the CIA, and ad hos participants.

From other agencies like AEC when their special interests are involved.

Arch nationalism in the Middle East, and the Chicago Composited manage to countries allied by mutual defense treation with the United States are examples of situations that could occasion policy papers.

The first draft of a policy paper, prepared perhaps at the direction of the Council or at the initiative of one of the departments is normally written in the department having major interest. At the Planning Board, the draft may be considerably modified in an effort to reconcile the views of other departments. The CIA representative on the Planning Board, like the Director of CIA on the Council, is not a party to these efforts to articulate policy. His role is rather to provide a distillation of the pertinent intelligence drawn from proviously prepared National Intelligence Estimates and from analyses produced since the last formal continues was written.

The policy paper draft, as rewritten by the Finnsing Board is passed on up to the National Security Council. The Council's task becomes the more difficult when disagreements in the Planning Board prove irreconcilable. The Board must spell out the areas of disagreement, and a further offert to find a common ground for divergent viewpoints is made in the Council.

The third section area of the remandably in the health to Spot without County State (LCN) has have been as the second The same of the sa Council Marie Coth Series makes continuous review the marrette analgned to the various deports and in furthermos of platent security objectives. This would call, to set up a bypoliteties minimale, her review of the progress made in retting occurrie ale statements to say Turkey, of the status of military aid shipments, of negatiations relating to military bases. Sail of the values and quality of Volge of America. broadpasts. Along with this review of the operational activities of the government agreeies cherged with heptementing policy. OCB frame of intelligence to determine if these operational activities are securing the desired results. The intelligence amilysis provides OCB with such information of the foreign policy orientation of Turkish leaders, economic conditions in the country, popular morale, and resistance capabilities to Communist subversion. OCE's findings are passed up in periodic reports to the National Security Council.

The Role of Intelligence in Policy Making

In the National Security Council, and in its subordinate organs, the intelligence

especific policies. Their vole is a provide the comments to reduce the service of the operation the comments to reduce the service of the operation and matterns to reduce the first and national policy is, is large part, a depivative of practice as lower echolons. Intelligence conventionally provides the commender with information on such matters as dispositions and intentions of the premy. But intelligence on the sname is only half the information the commender must consider in appraising his own relative expabilities. Only the commender is privileged to have all the information and only the commender is privileged to have all the information and only the commender is privileged to make the final decision on his strategy.

The reticiples of intelligence to shrule on policy is reinforced by the appearent intent of Congress to present a national intelligence community that would not subserve the particular interests of any one of the ansautive departments of the government. Intelligence estimates in the past bad often been suspect for "budgeteoring", that is to say, of assessing enemy especialities in a manner that in effect constituted special pleading. Havel intelligence was thought likely by some quarters to enggerate an enemy's universability to see blockade. Air intelligence was charged with a tendency to oversetimets the strength of forcing air forces.

Thoughtful observors saw a disconstitution in marketing stocks.

To keep the line between policy formulation and batelligance support, the 1947 act specifically distinguished between the rele of those who serve in the NSC as "members" and the relevant the intelligence representatives who acts as "advisors".

in conformity with the prevailing doctries that intelligence must been its distance from policy making, there is generally a scrapulous avoidance in intelligence analyses of any appearance of "G-2-ing U. ... policy." The analyses may offer conjectures of strong intentions; they do not accord-guess U. S. dispositions, less a striked commination of U. S. courses of action come close to an implicit resembandation of the wisest course to follow.

are in major part a function of U. S. interclose and expenditions. The Japanese decision to attack was not in limit a complete surprise to those privy to intelligence information in December 1941. The preventing opinion, however, was that if the Japanese strick, it would be in the Paristant. The Chaide of tractification as the first target was unexpected. It is problematical than intelligence analysts who were knowledgestic of U. S. disputations and capabilities could have made a better estimate of the color from that is chear that a worthwhile estimate of the enemy's chaice of targets establed some knowledge of U. S. capabilities and probable courses of

Activity successful the possible target areas.

in practice; resulting now and prove Their assess being adjustic.

As possible as the situation of prove Their assess being adjustic.

Association in the second black depends heavily or that has been demonstrated to the lacked finite. Insector as the Educations are attended to the Show that they can estimate the United States.

An estimate of Soviet intentions in outer space exploration entails a knowledge of U. S. progress and intentions in the field.

The noncessity for intelligence unalyses that have a realistic regard of U. S. policies is further recognized in estimates which explicitly examine the probable affects of alternative U. S. courses of action.

Assensments of the communic situation in Toposlavia, for example, may be made under varying assumptions of the level of U. S. aid. Soviet intentions in Europe or Chinese Communics actions in the Far East may be similarly estimated under explicitly stated alternative assumptions of U. S. aid.

pence to evaluate the results of policy declates already taken. The effect of U. S. export contains on the Chinese Communist economy, for example, is accepted an a proper character intelligence analysis. In such cases, the intelligence covers a transport and intelligence analysis.

temponsibility for decisions to revise or reinforce past pair ies, despite the theoretical aparthete between intelligence support and voltay decision making. A decision, Admirit kneeded once pointed out in an action that the executive must take with the answer does not suggest itself from the information at hand. When the information supplied seems so conclusive an to distoilly suggest the proper answer, the philoso high dictinction between intelligence support and policy the plainess high dictinction between intelligence support and policy

policy must take note of the charge tout policy has no often been determined without regard to intelligence assessments. This is a course which had greater validity before the 1947 act, when the prestige of the intelligence estimate was not no high as it is today. Analyses may still be ignored because of mistaken assessments by higher schelons of intelligence. But the analyse today works with greater confidence that the intelligence of the government. In making higher schelons will get to the confidence that it is not or the government. In making a twent be policy makers and the making on analysis. The intelligence calimate today or then given seeight in policy making councils. And the intelligence of the government.

The state of the s

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formers. The intelligence enclyst roday still skies from exerting and the reason of the frame flowing that he bear of the form that there is a policy. Let the scane of unclaimed is bustocreed to the reason of the flowing that he were the second of the flowing that he were the second of the flowing that he were the second of the chiquest between the second of the chiques.

The Central Adul inches Agancy Warner

"See" Intelligence - get - parforms the function of keeping . . Depart. The same of the control of the control which the character of the comes with responsibility for of the Cremeil' on the free conce activities of the governous the fix much product to a common the founds for the others end and haldligence and others, and is not relating and evaluating a relating to nationed solversty and providing for its disservingther paragraphs will super, the agency does itself make deringvisitable from soreich. He prin my responsibility, however, is to energiases the engigeen of the Department of State, the military services and other speccies of the government and present the resultant product as the frydings of national intelligence. This product may take the form of istrategic entirates lary or the prespects of the Soviet Union over the applicative years), of basic encyclopedias descriptions of the chia, religion, littor force, harbors, air farce, governmental organication, transportation cia. .) or of our respicted igence assersments the meaning of Khronbeherin must sometimes be by-passed in the case of current intelligence.

Alare time pressures may call for quick preliminary assessments.

Intelligence community at large.

In addition to its operdinating and correlating functions, the CIA is shartered by the act to perform for the rest of the intelligence community such services as the MSC determines are best performed centrally, as well as other functions relating to national security that the NSC may direct. Under this suthority, the CIA engages is clandestine collection of information, which is disseminated to analysts throughout the government, and if the content warrants, directly te polloy making officials. The monitoring of foreign radio broadcasts is also done centrally under CIA. In addition, the production "from scratch" -- as opposed to mere coordination -- of considerable combunic and scientific intelligence has been contered in CIA under this authority. CIA also provides the contral repository for all intelligence documents. the archives so to speak which the resaurance can use for the expeditious recall on microfilm of thousands upon tilphiands of military attache cables, foreign service dispetches, un'i alber classified reports,

The Unified States Intelligence Board

An a stell adjunct of the Matterna Scourse Council, the Control intelligence Agency recognizes a Manuage position in the Intelligence community. The other Maillouise Squarties, however, such have their individual gross of acceptance, and their views in these areas carry especial weight in CIA's effects to reach a general consensus. This is suight at various enteless; the highest is the United States Intelligence Ocurre, on which representatives from the following agencies of the intelligence community are representation.

- i. Central Intelligence Agency. The Director of Central Intelligence presides as challman at USB meetings, which are normally hold every week but which he can convene on short notice if the situation warrants. While CIMs role in methers of intelligence interpretation is in large part one of melding the settments of other USB egencies, it also proposeds its from viewpoints to the general effort to reach a Sim bowl.

 On economic and scientific intelligence, in particular, CIM originates a large part of the contributions to strategic estimates, and CIM viewpoints in those fields tend to carry the weight that the services energy in military intelligence and that the other USB egencies carry in their special fields of compotence.
- 2. Est Department. Political intelligence as analyzed in the Department of State constitues a major ingredient of notional intelligence production. The personnel engaged in intelligence research in the

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Army, Navy, and Air Ferrie intelligence -- are prepared within the JCS organization by the 3-3 (hatelligence) Directorate of the Joint Staff, J-2 participates in the production of National intelligence cultuates and other national intelligence production. Its headed by the Director for Intelligence, Joint Staff, who size represents the JCS organization on the United States Intelligence Seard.

Army. Army intelligence production dealing with matters relating to foreign ground force capabilities. Information on terrain, technical assessment of foreign weapons, and estimates of logistic capabilities all come within the domain of army intelligence. In many of their studies (for example the determination of foreign capabilities to transport troops by rail,) army intelligence officers must coordinate closely with analysis engaged in accounte intelligence. The Assistant Chief of Staff for intelligence is Army's representative on the USIB.

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- authority on foreign air strongth. It show determines the volumerability of foreign targets, target systems, and bream to air attack. The Air Force is represented as the UNIS by the Manietant Chief of Shell, Intelligence.
- Itemited to describe sequelty, and its participation in national intelligence production is only occasional. It frequestly disseminates to the other members of the intelligence educatedly useful information which it has been up in the course of its sourcer-intelligence activities.
- E. National Security Agency. The interception and decrypting of forwign communications, today carried on he 1984, has on occasion provided the United States with information unavailable from other courses. The brenking of Japanese codes prior to desait Harber revealed Tokyo's factorises to its diplomant to Washington.

componentiality for the production of intelligence in the Hall of Exclosion entire with parameters to enally to manifer success success entitled with parameter trained to enally so all data on Sarahan stomato exactly developments.

10. Department of Dadence, Office of Special Operations. The Secretary of Defense is represented on the USIS by his adviser on national intelligence and counter-intelligence, the Assistant for Special Operations.

es directors of the intelligence community. The agendes of USIB mathings ower not morely matters of substantive intelligence to be presented to the National Security Council, but also the general problems of edecimientative relationships and assignment of responsibilities within him tutalligence community. Since the heads of the various intelligence organizations are represented on the Board, the widerwoodings reached at USIB seculous are generally effective in achieving an exacted weather relationships on the lower achieving. The general constant and the lower achieving and exacted approach institutions are represented in the Board. The general constant and the institute of the lower achieving and the lower achieving and content approach by the USIS has generally to that the definition of componentalities approach by the USIS has generally to conserve units inclined fractions in the production

the literal intelligence no un interceparameter disort.

Standing Committees of the Party

coverage only the broadest phases of interdesic passed intolliance execution, and standing committees of the year are therefore been set up in a comparable sole on lower specialized estations. An example is the Weich Committee, chaired by the Departy Director of CIA. Which paramiltee meetings, attended by representatives will their apporting staff of smalysts from all the USIB agencies, absense current developments with a special eye on implications for the early sufficient of bostilities. Which Committee conclusions are regarded us the most authoritative from an assessments in the absence of a "crash" national intelligence estimate, 17 USI assessments in the absence of a "crash" national intelligence estimate, 17 USI assessments in the absence of a "crash" national intelligence estimate, 17 USI assessments in the absence of a "crash" national intelligence estimate, 17 USI and the libelihood of imminest hostilities in any part of the world.

Another USIB standing committee of growing importance in recent appears in the Scientific Estimates Committee. With the services, AEC, and CIA responsible for different aspects of scientific and technical intelligence, assessments of foreign scientific capabilities generally require considerable interdepartmental coordination and final approval by the Scientific Estimates Committee.

Similar coordination in the field of aconomic intelligence is performed through the Economic intelligence Communities. ClA analysis produce reast of the economic intelligence on the Communist bloc, but analysis in the railitary services also propers frequent analyses on such aconomic

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THE RUBLL COUNCE PROCESS

The phases of skilland intelligence deplicate the shades of intelligence on lower schelpns - e.g. collection of lateralation, enalysis of data, and dissemination of conclusions. The material intelligence process, breezer, is supplicated by the very spale of the activities. The applyote are separated -at times by comments like the collectors, so that national intelligence calls for essential lieless activities and machinery for reconciling the requirements of declaies makers with the capabilities of collectors. By contrast, the intelligence process at the lowest combat level, where the collector may simply be a soldier detailed to man a forward observation post and report his findings to the bettery commender; is an ideal of simplicity. The commender is this case anderstands the capabilities of the salienter and four lay his sequirements with no more than the usual difficulty that oral communication entails. The decision maker in this case to also the spalyrit he both assesses the reports of the soldier and decises what to do about it.

On a somewhat higher twest, an efficier may be assigned to receive information from several forward observation posts. The analytical and decision making process are now partly separated. The officer evaluates the reports received from the soldiers at make youts in terms of consistency with each other. The histalics enumerabler must still assess this information in terms of consistency with sizes data received and draw his conclusions on enemy dispositions and intentions.

As the organization becomes major complex, a mantipery for requirements in hand desirable as sections decrementation among personnel to the various states of the minipulation process. The need for intelligence information may aske at any local, we may take as illustrative a need crising at the decision backing level -- any of a Voice of America radio broadcast programment who wants to know how well.

Doctor Zhivago is selling in South Asia and how closely government officials, military officers, and university states to there are following the tribulations of Boris Pastersok. In the likely event that this information is not immediately swellable, the intelligence processing organizations will be asked to provide it.

The information may be readily at head in the files of the intelligence analyst. If so, the tank is relatively simple; the analyst simply brings his

Lalentia to bear on the encountry, evelopation, and presentation of the data is a member of the data is a member of the data is a member of the data in the data in the data in the data is a member of the member of the member of the data in the data is a member of the data in the data.

When there are geps in the analyst's like and the deadline for his memorandum permits, he will law requirements on the collectors for the missing information. Even if there is no likelihood of a timely response from the field, the analyst may law his requirements anyway as a bedge against future demand for the same information or because the anawers should be suspensive to his similing requirements for information bearing on popular attitudes toward Communican.

These standing requirements, incorporated in so-called collection guides, specify the broad entegories of subjects about which there is a continuing need for information; accomplishments or failures in ful-culting national economic plans, morale in the armed forces, radar defenses, signs of factionalism in the governing political party, for example.

The voluminate flow of information from the field in response to attending requirements often presents the analyst with an emberrous ment of riches, embarrassing particularly because they do not provide the specific information he needs at the manuant. The analyst stands to

The smalget the decides to go shoulded lary requirements is under the strongest obligation to explain his notify clearly to the sollinear. The "empthing you have on Doris Pastorish" type of requirement is likely to elicit a flow of irrelevancies. A uneful adjunct of a good requirement is some independs to magnet what is already known in order to belp the collector approach his tack as a non who is at least well informed if not necessarily an expert on the subject. The questions that follow the background information will indicate appositic lines of inquiry for the collector; for example, what statements about the affair can be reliably attributed to individual government afficials, what was the nature Pastornak following

comment and staff schools, what communicates appeared in student newspapers, in book reviews?

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The amplyst will also suggest the fields of the control of the con

cedures for obtaining the meeded information. On occasion, however, he is in a position to suggest a good lead. Engwing for example of suggest a lead to have just arrived as visiting locations in the United States, he may propose these as sources one could give informed responses to well worded quarter.

the experistic priority (urgent, "routine, etc.), the togate inent to all through characte to the appropriate colleges a to the ending of the ending of the ending of the ending of the ending the ending of the ending the the togate of the throughput of the ending of the ending the end of the ending the end of the ending of the ending of the ending the end of the ending of the ending of the ending the end of the ending of the end of the ending of the ending of the end of the end of the ending of the ending of the end of the

include many of untested reliability. The selection or dismissed of these informents depends education on the consistency of their reports.

Revicing the responses may also estall supplemental requirements by the smalyst. In our Pasturnak Illustration, the visiting lecturers may allude to a flood of letters to the editor which appeared in one of the South Asian literary reviews, and a request to the field for copies of the periodical may be in order.

An initial spirit of collection activity on behalf of the analyst will usually be followed by sporadic reports which become less and less frequent as the weeks go on. Eventually, Voice of America programmers must turn to more timely matters as world comment on Pasternak dies down, and the analyst decides to "close out" his requirement. The overcautious analyst who procreatinates in taking the final close out lively, is a trial to field collectors, who usually have more requests for information than they can fulfill in detail.

Collection

in modern intelligence organization, the unsigned in-box is in-box is daily with the information that has been gathered for him by a far thing notwork of collectors. The in-box is the analyst's mail box, no to speak, to which is delivered the counterparts of the magazines.

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This is readered by the statistics of the series and the series of the reliable intermitted approach to the series of the reliable in the series of the reached by the intelligence analyst are not approach the information applicable to their intermity. Libraries

1. Nowe services. Extelligence organizations in the free and Communist worlds subscribe to or monitor the press pervices. Regions, AP, or UPI tickers often print the first news of a Letin American revolt, the resignation of important officials, the text of a communique released at the east of a state visit. Many an analyst has had to leave his warm have east morning house or pare his quick assessment of a news accepticiting over the press wires.

Carby more relaxed werking hours, the analyst can take advantage at the wealth of data offered daily be the newspapers, both foreign and

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domestic. The despatches from news correspondents in London.

Earlin, Hong Ross, Jacapia, Mescow, and other cities are not shrays
in accord with information is intelligence files, sof the quality of reporting compares favorably sits the avarage of intelligence information
that coines through the in-lan. Insolar as information from news sources
is concerned, the intelligence argumentions in the Communist world have
of course all the advantage. Thould give a great deal, "Allen Dulies
has said. If I could know as much about the Soviet Union as the Soviet
Union Can Isage about me by marry reading the press."

2. Foreign publications. Collected wither by subscription or by purchase in foreign countries, these publications make up a valued composent of the intelligence take. The Communists since the death of Stalin are publishing considerably more detail in their secnomic and technical journals: At the 20th Party Congress in February 1956, the then premier descharge of information and opinion."

Despite the relexation of Soviet security, proceeded in large part by the propagandistic educateges of publicising technical achievements, many Strict scientific and technical journals are published in a limited number of copies, which rarely leave the USSR. By contrast, with virtually anticulted access to open source trade publications and actentific journals, the USSR can keep relatively well informed on the stapes of the US guided

missile program, the construction details of the St. Lawrence Shirts atomic reactor and electric power installectors, rail and highway tunnels. For a small fee, the Russians can obtain technical descriptions of investions from the US Phiens Office.

the medicines of foreign publications as current intelligence. Their principal exciteshilly is to provide details which can be assembled and incompanied in research studies. In the absence of many foreign publications, the intelligence services often found their research tasks exampled difficult in World War II. A Japanese language, Who's have a fundamental published in 1940, for example, and appear 150,000 short have a fundamental incoming the copy foreign and involved a copy

the state state conden, which contains a very a, but identical and

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of the section is to be clearly by their things to be a figure of the property of the section of the first of the section of t

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Comprehense Company of the second of the entire that the company

- parametric entireties. It is not always and a property of an always to an always to action the entire of a parametric section of the entire of parametric sections of the entire. The Respection persons entered the market of application reviews in the United States by the influx of sections. Leaves break familiar made evaluable by immigrants to this country have provided useful details on conditions abroad. Only a small personal of inclinations and great most officials, and others who visit foreign countries self their stories for publication. The others are generally willing to receipt their apparametric to interested linearous. Sometimes breedings respections with foreign efficials who apparently intended finit their remarks would be pessed to others in the United States. The information is need the less of interest to the intelligence analyst on that account.
- Diplomatic collection. Foreign service afficient cannot engage in any activity that any are of conjugate, but in the discharge of their official duties, they department forward the security in their information that is of highest imperiance for national eccurity. In 1848, the Daldwin cabinet in 1848, was jolied into expending the British was force by Foreign Secretary Sir Join Struck's account of his conversation

with Hitter. The Preducer told Six John that Germany had already
achieved six parity with Britain and Germany would go on withing
until its air force was as large as those of mylicia and years ambiase.

The diplomatic reports from the U. S. Spilling M. Tokyo provided vital information on the developing tensions in the Pacific. In January 1941, Ambassader Greek works

where the United States is not represented, intelligence information may still be forwarded through diplomatic channels. In Communicat Chino, for example, the regime may demonstrate through the British charge or the fadien ambassador information intended for American sare.

Attaches. Like foreign equipment officers, nitaches are able in pursuit of their logitimate functions to collect intelligence information without recourse to claudestine methods. Invited to observe maneuvers, to visit installations, to exchange such data an training manuals, the military attache is able to gather and forward military information of a wide variety.

The pulltary stacks can be a particularly usoful collector in a country where the army is or threatens to become a force in politics.

In the course of his official associations, the military statistic than then become the recipient of individual tips political significance.

In U. S. embassies abread - agricultural nitrobes his avancie.

The impact on the American consciousness of recess selectific programs has resulted in an interested in the number of scientific attaches serving abroad. The information soffeeted by the civilian attaches is every but some the less valuable in economic and scientific intelligence production.

Photography. Motion and still pictures are highly regarded in such applications as target scalingle or the computation of plant capacities. While some of this pictures must be taken coverily, others are free for the clipping from such propagation periodicals as China Pictorial. Many are drawn from the travel resmentes of private citizens. Pictures taken by a traveler to the Solomons before World War II formed a useful portion of the intelligence scallable to the Pirst Marine Division when it went into Guasialcanal in August 1948.

Acrial photography is most frequently used in wartime, when it has often paid its cost many times over. Asrial photography, for example, revealed the location of German rocket launching ramps at Pecnemunde. Subsequent RAF bombing delayed production of the German missiles for months.

are neveral. First, it is costly both in terms of money and risk;

The state of the s

agents in place and must therefore plan its project, recruit agents, train them, and place them. Third, great confidence can only infremently be placed in the accuracy of the information collected. Many agents fabricate, many offer themselves to more than one country; most have such limited access to the information they such that they can forward only intelligence fragments of limited access.

In view of those handicaps, clandestine collection is empouraged only if the information cannot be obtained by overt means. However, on several occasions clandestine collection has yielded outstanding results. The USSR was notably successful after World War if in steading atom bomb secrets through the services of such skilled agents as Bruno Pontocorvo and Allan Num May. In World War II, the butler of the British ambassasor in Turkey transmitted to the Germans photographs of documents which gave details of allied strategy. Potastately for the allied cause, the Nazis failed to act on the intelligence in the belief.

To aid the nonroe's reliability and its arm approval

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of the accuracy of the information supplied. The field evaluation is
expressed by a letter-number rating in accordance with the following

Appealed of Booken

A Completely plies

- H. Theally selling.
- C. Fultir reliable
- D. Not usually fallship
- E. Unreliable
- P. Reliability barnet be judged

ADMINISTRAL OF CORNERS

- 1. Contrast by other sources
 - 2. Probably true
 - 3. Peasibly true
 - 4. Doubtful
 - 5. Improbable
 - 8. Truth cannot be judged

This rating is semetimes the only guide the analyst has to the credibility he should attach to the report. At other times, he can assess it against other confirming or contradictory information in his files.

Zimmerman message in 1917 was one of the important events of that year leading up to United States entry in World War I. The message from Berlin's foreign minister contained instructions to the German Ambassador in Mexico for opening negotiations with that country and offering it the opportunity to recover its 'lost territory in Texas, New Mexico, and Arizons."

Information Property

The scala of collection is now so large that the efficiency of the

And the control of th

The initial jack of the pelevence service is to inject incoming the uncertainty of the pelevence and according to stripped coloring that a service, pelevent president as treation, and (Lobons, Morta, Visiona, Monday), scaling publication, simulation service), security placelifection (securet, confidential, unclassified).

and date of intermetion. A document which treats of prove they are subject or area, must according be recorded under several number codes.

The decuments the modern are generally microfilmed. Penched cards and electronic data processing permit of rapid retrieval of the microfilm copies upon the analysi's request.

Useful as is the reference service in the recording, storing, and recalling of information. Its machine assets also enable it to go a stop further by synthesizing data in response to specific requests. Thus, for

target analysis, data proposating techniques can quickly predate a listing of large industrial installations in a specified city. Or they can borns up with a listing of Soviet potentials who have been reportedly engaged in packets energy research. While these specifications of automatical and hardly likely to displace the enalyst, they must be relieve him of some of this energies data assembly duties and large him freer for interpretative analyses. Increasingly, it is the reference service rather than the analyst that comes up with the imprometion-same-inelysis answers which are often called for (percentage of Chineses outlon production that goes take padding for clothing and bedding).

narrices can also publish general listings designed to occuprate the number of special requests. One such aid may be a Who's who of scientific personnel, another a virtual Dun and Bracktreet record of foreign industical firms.

Analysis.

The conventional description of intelligence as it comes from the collectors is "raw intelligence" or "intelligence information". It is not "finished intelligence" until it has gone through the stages of evaluation and interpretation by substantive experts. In cases of urgency, raw intelligence may be passed directly to decision makers. The failure to report to the army commander in Hawati the sightingel a two-man

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The state of the decrease requirements of the decrease requirements of the decrease of

Analysis in intelligence has broad similarity is the process to academic received. One of the distinctions is that the academician is freer to extend theory and principles. While a grounding in say economic theory is all equalderable advantage to the economic intelligence analyst, he must be respensive to needs of the "consumer," and his research is becomescrip existing toward torms of hardware and other as not liabilities, not to heavy sever studies of theoretical equilibris.

The academician can direct his research soward subjects on which he has reason to believe intermitted in evaluate for the seeking. The intelligence analyst is compelled by consumer demand to minkyne a simulation where the gaps of knowledge are uncounfortably wide. This means that the intelligence malyst is called on to offer tentative conclusions that the academician would without pending additional data.

For policy decisions cannot await pemple a information; complete information.

Another distinction to the usefulness over time of scudenic and intelligence studies have long-time usofulness.

Response to the second service of the second second

distress to many being and the control of the contr

Respectively to except the price of authorable, the intelligence making should to addition dispelly other qualities prized by the gaspelling section

through experience on the jobs it is the semicial attribute of developed through experience on the jobs it is the semicial attribute of disconnect analyst. The semior analyst on Latin Atterior indevaluade Spinsist or Portuguese, his worked or traveled is the attain in as well grounded in its affairs as my member of a university faculty. Expert insoviedge is not altegather a function of age. Some lines of special imprehense are more likely to be found in young men and women. The relatively recent graduate is more age to understand the testiniques of inter-industry ctutionical analysis than scenemists of on older generation. Students are of Chinese Communist theory more readily found in the postwar generation of Simplegues then among the "old Chine hands." The younger rather than

term will.

Diger physiciets have best up with recent advances in electronics.

Espiority, on the other hand, has its advantages for the supervisor, who must understand the general structure of a prefilem which cuts across several tinide.

- honey handed pressure to support conventional projudices. One suspects that this pressure is a greater trial to analysis in Communist countries. But there are many instances of such pressure elsewhere. The intelligence organization of a government-in-sails for example is under constant drive to overanslynes signs of popular discontent at home in the United States, variances among astimates prepared by different departments of the government investremently reflected pressures on analysis to backeting their departments special interects.
- Imagination. "Genius," observed William James, "in truth warms little room than the faculty of perceiving in an unimidual way." It characteristic failing of many experts whose talents fall short of genius as their dischain of imaginative hypotheses. Conclusions must be grounded in evidence, but hypotheses must first be entertained and tested by the evidence, but hypotheses must first be entertained and tested by the evidence. The cavaller rejection of hypotheses by experis has been expensible for the percistence of error in a multitude of cases. The French Academy of Sciences took years to concede the impropriety of its arrogance in rejecting the those parties originated in outer

- Afticulations. The intelligence malyst point committees his chadings to the decision behave Securification makers prefer to be briefed evally some lastic as absenced a page in lastic. The somewhat went be she to these as presentation to his proce, his mider They directed easiebases of an editor to clarify his proce, his mider They directed easiebases as will have to articulate his thoughts quickly and clearly without editorial policy.
- analyst's desk is normally so large that he is in danger of missing important details. The ideal analyst is the Sherlook Belines genius who can perceive the significant in the mass. The reflection of a man's standing in the party if he rederred to as first secretary one month and First secretary feder? Is a wan, tired reticence indicative of look of power? There is a real danger of over analysis and drawing of unique conclusions from such fragments of indications, but the keen the desirability of new requirements on field editector.

The analytical process in intelligence varies with the office. The interioral intelligence analyst (seemonic, soluntifie, military) is often engaged in research studies skin to dectoral discertations. The current briefligence officers with his quick assessments of daily developments, when a libraries to the sensoner columnist. The estimates officer has

to integrate the contributions of several departments so that a general consensus rather than his own personal view emerges. These distinctions notwithstanding, certain phines appear consider to the inalysis process in all intelligence offices.

- 1. Defining the problem. The analyst must have terms of reference. These may be specified for the estimator in guidance from policy makers ("We need an estimate on Chinese Communici intentions toward Southeast A. Etc."). Or they may be redefined for the functional analyst who is to contribute to the estimate ("voll need backup on Communist Chine's prospective feed harvests and appointion growth"). Or it may be clearly indicated to the current intelligence analyst by the same sense that guides the journalist in deciding what is newsworth ("I'd better harry down to the office and get off some quick paragraphs on the meaning behind the Kremlin's new blast at Tite")
- 2. Assembly of data. The makyot's own files are usually the first place he goes to for the background he needs. Our current intelligence enalyst, for example, will look to his files for copies of earlier Soviet blasts at Beigrade and compare tools tone with the latest attack. Recaise of the pressure of time, his own files may in fact he the only recourse open to him for the moment. The analyst researching China's food production, on the other hand, can look also to the files of other analysts, to the resources of libraries, and to the automatic data processing made

to not be see recover done to the stored in the intelligence of

considerative and in terms of annulatency with eight and an internal considerative and in terms of annulatency with eight and an internal consideration of the source's reliability?

The of the analyst's most designed pitfalls in the evaluation phase stone from his own conservation—his relactance to accept information which does not square with his own stock conceptions. One of the intelligence community's precognated concepts during World War II was that the prewar mobilization of the German scenamy left little slack for further expansion over the short run. Actually, German war production increased steadily until mid-1944. The estimate of cas U.S. agency that German war output want up rather than there in 1943 was rejected by many informed analysis at the time.

evaluation phase. Reports received from several collectors are often traceable to one ultimate scarce. The relicus reports should be required as one. The danger of false confirmation becomes especially high when a foreign government deliberately fabricates reports to throw off enemy intelligence. A classic example of such deception was the little "Operation Mincomest," which involved sparious measures

the advantage and the first of the second se

THE RESIDENCE OF A LITTLE CONTROL OF THE PARTY OF THE PAR

Shudy and interpretation. Raving assembled the data and decided which which is valid and acceptable, the analyst must construct the acceptable which will answer the terms of reference given at the sutest of the analysic process. Our researcher into Chinese Camanulist harvest has assembled data on past agricultural production of specific erops. He has also assembled whatever information is available on the regime's scommic objective: as declared in annual and five year plans. He has assembled data on the success or failure in meeting previous agricultural targets. From his etudy and best interpretation of the data, he makes his own projection of Chinese Communist harvests. He balances this against food requirement. As colculated from a prejection of population growth.

Presentation. Intelligence information is not "intelligence"

be constructed to other persons. State the construction of the can

effected through oral brieflags. The Director of Central intelligence.

for example, briefs the National Security Council regularly on current
intelligence developments. More ofton, finished intelligence is processed.

in writing, which can take forms (ranging from single page remorands to detailed studies accompanied by maps and other graphic life.

The term dissemination of intelligence is intended to make its distribution to persons satisfied to receive it. It is a term used by collectors to refer to the distribution of raw intelligence and by analysis peaking of the distribution of fir island intelligence. The medianical process is similar in both cases. The duties of dissemination are entracted to a service component, which uses routine couriers or, if expounstances dictate, special couriers, inistype, and other electric cases of transmission.

decision to 'diasem' or 'no dissem,' since a large part of he take is obviously of marginal value to analysts and may be useful only to develop the which will ultimately permit an association of the source's reliability or efficiency. While analysis offices sometimes decide to make the discense out of finished intelligence studies, such studies are provided and analysis of the will yield conclusion.

in part, this decision can be broad on the security classification placed

among times who have only a secret classucce. The district that is, formination declates is governed by the South Commission declates is governed by the South Commission of his security clearance, a personal leading of his security clearance, a personal leading of his security clearance, a personal leading of his section.

The information he needs for the efficient dissingue of his section.

they can be projudicial to netional accurity interests if applied overrigorously. The joint congressional committee on the Posri Herber
investigation condemned the evercathicity of equilibrium of intelligence
derived from the decrypting of Japanese codes. The committee observed
that "the fact the Japanese codes had been broken was regarded as of
more importance than the information obtained tress decodes traffic.

The requit of this rather specieus premits: was to leave large numbers
of making-making and enforcement efficients in Washington completely to
oblishous of the nocet pertinent information concerning Japan."

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CALVE DEBEST SERVICE LA DETELLEMENT

- 1. It is intended to sure the formulature of secured security policy.
- 2. Its content, transcouling he are heavy competents of a single department or agency, is presented as the operations of the intelligence community.

but rather to serve as a standing precent over a considerable span of time, intelligence is useded that will afferd reiber long range fore-knowledge of the capabilities, reiserabilities, and probable courses of action of foreign nations, that Milligence is usually presented in the form of a "strategic estimate". Then prepared at the national level as a composite of the views of the intelligence nonmunity, it is produced as National Intelligence Fatimete.

in the interim between the appearance of the entire test the National courtry Council leads to reports of durrent intalligence developments. It is on current reports rather than strategic estimates that the NSC would probably have to rely a previde the sort of advance warning that was so mainly indusing before Paul Harber.

The factual information resulting from the collection of encyclopedic data -- basic intelligence - is bustomarily produced for the use of other analysts but may on securion provide needed background information to high level officials. When prepared as the integrated product of the intelligence community, it appears in a publication which has been officially designated as actional intelligence (National Intelligence Survey). Basic studies will accordingly be reviewed in this chapter as a third category of national intelligence.

hasic studies -- are based on sanipses prepared in the verious departments and agencies by military intelligence officers, economists, foreign affairs analysts and other functional specialists. These functional studies are designated in conventional usage as military intelligence, economical intelligence, political intelligence, biographic intelligence, etc. The responsibilities for their production are usuaged by the NSC to the various departments and agencies: ground forces intelligence to the army, folitical intelligence to the State Department, elographic intelligence on maked personnel to the Navy, for example, a section of such functional the intelligence production requires/consideration, of activities below the mational intelligence level and is reserved for the following chapter.

Functional specializations are many and are not reviewed in depth.

interest to Industrial College of the Armed Spreas Students.

The Ristoff Estimas

The Notional Intelligence estimate is the most primeriative expression of view by the intelligence community may go to the National Security.

Council is other malyses. The spacious view of the community reached in most cases only after protracted deliberation -- is to be found in the formal estimate.

The function of National intelligence Estimates is to suggest where the world is heading. This requires an examination of the present situation and a projection of expected trends over the period of the estimate. The Length of the estimative period vertes. A general estimate of the Soviet Union over the next five years might be regarded as appropriate to support policy decisions relating to the national posture toward international communism. A special setimate brought on by another crisis over the status of Berlin or the Chinese of sation over the next air mouths.

task of the estimators. A five-year projection permits of successive corrections of intelligence and modifications of policy as the estimates are neriodically brought up to date. The shorter-range estimates, on the other hand, may be all too quickly tested by events; the margin for error is

narrower. Strategy in games can be modified if the play seems to be going against the individual. But if the game permits only of one or two rounds of play, the initial strategy is an all important determinant of the outcome.

Defining the Problem

The initial task of the estimator is that essentied in the previous chapter as the first step in analysis, namely, tislining the problem or setting forth the terms of reference. If the estimate is to project the main trends in a foreign country over the next five years, the terms of reference will cover the specific political, sensomic, and military issues that bear on decisions of long range policy. With respect to the internal political situation, for example, is the present leadership stable? If the government is sufficient and is said sevened in years and is his death likely to result in a struggle for the succession? What will be the role of the military in such a struggle, of the political party or parties, of other loci of power?

what can be entd about popular sitifults? The entimate here, in addition to some necessary generalities, will outline the sentiments of appelitic groups in the population - intelligentain, workers, passants, national minorities. If there is widespread boutlity to the government, will this manifest itself in passive discontent; in sporadic ricks, in spendic ricks, in

relating to foreign policy, since it is the developments in this speak which may impinge most directly on US accurity interests. The estimate will be expected to seems present and prospective relations with ailies, popular and official attitudes regarding the balance of forces in the world, and the nature and ferre of convictions relating to suitable principles for dealing with East-West tensions. Here again generalities will be expected on edition of discussions of attitudes on specific issued, for example of thirty bases abroad, Carman unification. UN membership for the lang. For while generalities are useful, they must not conceal the maspect that the degree of support for or opposition to the United States

The terms of reference on economic issues will probably indicate an anterest in policies relating to the allocation of resources. Is invostment to be proportionately prester or less in the military support industries, in agriculture. What projections can be made regarding the obsolute level of defense expenditures, of total and pur capital private consumption? Now will changes in yields and which interests of now imple affect crop harvests? What meographic shifts are foreseen in the location of industries?

The rate of encounte growth, as calculated from estimates of grous.

as the bearing of the beat the beat first from the or

Clabellity. In the dynamic encurrent this reas of greats in expensions of the reason of population becomes the first form and the reason of population becomes the first form and the reason of population becomes the first form and the reason of population becomes the first form and the reason of population becomes the first form and th

Recognite relations with the considerability proportion of sealing trade

possible pearing on the state of the control of the constraint of the relation of the control of

If the country is a potential anisqualet of the United States in agreed conflict, especial care will be taken in setting forth the military terrors of reference. The selevantional questions will be saided above the size equipment, and proficiency of the land, air, and saval forces. These overall aggregates will be supplemented by an examination of capabilities in different geographic areas. In addition to review of men and hardware, there may be a summary of current military doctrine in the country. What seems to be its christing on such issues as suprise attack, on timited versus total war, on the military organization and weapons mix best suited for the needs of the day?

In today's world, the military strength of the abunity is a function in cowing measure of potentitie and suchmical capabilities. If the country

detailed appealed it has above developed in the world, there will be a detailed appealed it has above of research has containing in mineties, along the source appeals of the state of research has contained by the state of the

THE PROPERTY OF THE PARTY OF TH

If the tarms of Prince are sufficient selled, the estimate is in a fair way of being able to prefer west fairness that the tart called the "strategic stature" let the country, that it, the includes of influence it can exert in international affairs. This influence has appropriate or threatening to amploy military force, he appropriate reprisals or blandishments, by moral guasion, or by propagates. This influence waries in accordance with the country's industificate sevels (as sought out by the turns of reference): Irlandable in the international community, military and normalizary strength in being, factor is madifice forces and resources in emergencies, resiliency is emissioned. This influence is limited by the country's liabilities; senseal programmest positions, popular disestisfaction, unstable landership, eccessors backgardness.

Its common border with the USER to a netationthy liability of Finland.

The sympathy of neutralist nations for Vegoclavia is one of its assets.

Indentions and Gapabilities 124 (28)

If the Mational Intelligence Entimate went so further than to outline the country's strategic stature, it would still constitute a valued intelligence study. It must however come to gripe with the "64 dellar" Approved For Release : CIA-RDP75-00001R000400530014-1

testion, the probable courses of action. Walls intelligency like provide the frozent published been, the estimator can make a claim to sometime the title than same southeaving. For one thing, he knows what the country's leaders have declared their intentions to may choose to accept the statement as as judication of their true intentions.

Becond, the estimator knows that intentions in reasoning men are limited by topabilities, Estimates of Chinese Communist intentions to take Taiwan by military force will be governed by prior estimates of Communist capabilities to provide the amphibious lift needed for an attack.

Sometimes, the prognostication of a probable course of action is so difficult that the estimator has no resource but to limit himself to ar analysis of capabilities, noting that the exercise of the capabilities cannot be excluded as a realisable possibility. To some extent, this statement of capabilities is an implied estimate of intentions, since estimators repute consideration of capabilities whose exercise appears outlandied or chearly counter to national objectives, e.g. the Eritish espability to ascend the estatement of capabilities comes closest to the essessment of intentions, when "net" rather than "gross" or "raw" capabilities are considered. Gross capabilities are estimated without reference to possible counteraction e. g. Country A has the capability to compute

Additional and the second of the second of the second

Contingent, e.g. Communist China and this over Outer Mongolia & the USSR does not intervene. Given Falalact Sciences of Seviet Sciences at the Ulas Bator, such a statement of his later like in almost equivalent to be estimate of Communist China probable decrees of action towards Culter Mongolia.

Another recourse of the estimator, when the avidence is issufficient to support a flat prediction, is to identify the alternative courses of action that are consistent with a country's espabilities and policies. Country A, for example, can commit its armed forces to a full scale military assault on Country B during the period of the estimate; or it can limit its military actions to border incidents and threatening troop movements; or it can stop up its harassments by a combination of propagands, economic, and diplomatic pressures. If, on balance, the weight of the evidence suggests that one course of action is more probable than another, the orders of probability will be given.

An intelligence estimate is uncontedly the weaker for having to allow for more than one possibility and leaves the estimators open to the charge of acting, the oracle whose prophecies seek to cover all contingent.

Their best defense may be to point to the quaterments of orders of probability. Their only other defense is that a flat prediction in the starments of supporting intelligence is even more the mask of the humburg.

Intelligence does no service for policy making by overstating its knowledge. It is as important to identify what is not known as what is. History is replate with instances of inaccurate estimates based on insufficient information. Many analysts near the close of World War II understood that too little recent information was at hand to appraise the qualities of Japan's Kwantung Army in Maschuria. Informed opinion in the government however, was betrayed by the reputation for flighting which the Army carried with it from its pre-war days, and house to seviet forces into Maschuria was urged. Actually, the test units of the Ewantung Army had long been transferred out to more styles? theatres of the Pacific.

The overcautious estimators are in fact not those who are chary of flat predictions but those who seek a "margin of safety" in forcasting the worst. If the worst does not eventuate, all heads will remain on their shoulders. If the worst happens willout forewarning, on the other hand, the inevitable post-mortener will find their scalps in the intelligence opportunity. The mettle of the common is most severely fosted when the overt actions of a foreign occurry entend to a militant disclay of force and when the background evidence suggests that the country will repositive stop short of full scale hostilities. Even with the province that institutions are possible, it takes qualities beyond those found in the country will refer to soften that, on balance, wer appears improbable.

PRODUCTION PROCESSION

oneurs high responsiveness to the needs of the locality building the consideration of as much information as an position pe property to bear on the problem. While a schedule of production and evision of arrest that estimates on the most important squarries are kept responsibly current, a good many estimates are prepared out of schedule on the suggestion of important policy efficiels. An estimate may also be prepared to provide the necessary background for a policy paper under review in the NEC's Planning Board.

The estimate initiated, all the agencies that will contribute (CIA) Liste. Navy, Army, Air Force, etc.) agree on the scope of the problem and the areas of study to be allocated to each agency. In the dest according to each agency and the areas of study to be allocated to each agency. In the dest described weeks (less if the situation necessitates), the basic necessarist and initial analyses are completed by the contributions, are represented. The Contral Intelligence Agency (uses the contributions, and a first draft emerges which not measurily distorts points made by some of the contributors if unanalytic of viscous all points was tacking

White this proceeding that the basile branchion and the best talents in the virtue of assuming that the basile branchion and the best talents in the government are average to hear on the most important of intelligence productions. The time involved in the procedure is not overlang when one considers that it will provide part of the rationale underlying the nation's policies for years. The time involved, moreover, can be telescoped on speakions of especially argency. National intelligence Estimates have been prepared and approved by the United States intelligence Board in a matter of hours.

The danger of such intelligence production by conference and committee lies not in complexities of procedure but in oversealous afforts to hammer out a schemeus. This could result in "lowest common denominator" intelligence to irritate rather than inform the policy makers. If all contributors to an estimate except one believe that that Country A will probably be increasingly autagonistic to Country B, the substitute of "may" for "will probably in often a wording that all might agree on. An elternative course would be to reject sorted.

dissentile quibbles about phraseology must not obsque the fact that

all are a spreament on the general thrust of the argument. Dissents

should reflect firmly held differences on important questions. When

even differences are preconcliable, current practice is to allow

dissents in the estimates rather than compremise on a watered down

worsing.

The National Intelligence Estimate is not analogous to a Supreme Court decision, by which lower courts must abide. Nevertheless, in the stamp of highest authority impressed upon the estimate, there lies the hazard that it may freeze viewpoints throughout the intelligence community. Critisisms and comments from authorities must be invited after the estimate is published. On occasion, the criticisms settle-effect of a fresh took at the estimate and result in changes whenthe estimate is size in the chimate and result in changes whenthe

with an eye to the next revision, the estimators themselves must critique their own efforts, noting particularly where they were handlospped by intelligence gaps. In a few cases, these gaps can be filled by more intensive collection efforts to the field. Whatever assistance the field can offer, intelligence a system at home will head their efforts to initiate rancarch in the areas indicated to the

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end that successive revisions of the estimate beaches incre
convincing approximations in reality.

that it ever had before the scenphance of mations in the second of bational policy.

Current Intelligence Legistic

As constant crisis become the states cally a control of the liber national scene, the urgest seed by policy and the been shread of day to day developments makes increasing constant on sational intelligence. These demands are not by the sould of intreast intelligence production, which are not far removed treas have samplayed by American journalism to report ourrent events.

- announcement, "we interrupt this program to report that the BREE has just announced the first auccensful launching of an artificial establite that is orbiting around the earth. Keep tuned to this station for further details." When the watch officer on duty is a correct intelligence office during the small hours of the early morning receives intermation of such import that he believes it should be passed quickly to higher officials, he will do so without interpretive analysis. He may also explain that the deak analyst is being called in and that interpretive comment will follow shortly. The slavting of high officials by the rapid dispatch of vital information with or without analysis is an easestial function of the current intelligence office.
- 2. The written memorandum. This format is employed for enginess which are not conveniently accommodated in regularly school-

official paid her the Library action on appropriate for the second secon

- anys time. The desir engine reach the intelligence information and hurries over to the higher difficial's effice or home to give his quick estimate of its significance. Separtimes and hylothers are regularly scheduled for the benefit of efficials who like to get at problems through the person to person such and form of question and answer. The Director of Central Intelligence regularly briefs the National Security Council on current intelligence developments.
- 4. The daily publication. The elevementioned media for dissemisating current intelligence do not lead themselves to the interessency coordination required for the production of true national
 intelligence. They rather present the point of view of a single office
 or anxiyst. Intelligence produced on the intional level appears in the

other high officials, for example, receive socies of a daily report in whose production the varieties receive socies of a daily report in whose production the varieties magner departments and agencies of the intelligence enumerally participate fointly. This is the daily newspaper, so to speak, of the intelligence community is a more prominent feature of the intelligence publication than of the front pages of the news daily. In the distinction that current intelligence, the pressures of time are frequently a bandcap to the production of complete analyses on a coordinated interdepartmental basis, and policy officials find the analyses published by the individual agencies a valuable back-up to the joint product.

- The weekly, biweekly and mountally publications. The weekly, biweekly and mountally current intelligence publications, enalogous to the magazine application of the large city daily, enmandize and analyze recent events from a ventage point which provides better perspective than is provided in the provided by individual and provided for the daily publication. Here too, pulley over, some standing communities of the United Endon invitational provided containing the views of the daily provided provided provided to the United Endon invitation.
- the libertus when he will grow the thirther. The room is a second of the second of the

"你一点,你一点就是我,我们一个事实的要求我的事情,这种意识的是我们的人的。"

prepartions, the Nutional Security Council or the United States intelligence Board may direct that a National Intelligence Estimate be prepared quickly to present the consensus of the intelligence community.

The Current Intelligence Analysts

The outstanding characteristic of current intelligence production is the demand it makes on the analyst for speed. Like the newspaperman, he must meet a publication deadline every day. The cases in which he is called on to research in depth are rather the exception than the rule. A large part of his settility consists in describing a development and commenting briefly on its significance, all perhaps within the limits of a single page. He may, for example, report the resignation of North Vistnam's Leo Dong (Communist) party and By way of comment, he may briefly give some biographic background on the new secretary general.

I determine on the basis of other posts retained by the former maches retained by the former

who of his associates may have suffered a loss of statute along with secretary general nim, and suggest who is likely to benefit. If the former the was clouely associated with crutain policies of the regime, the mulyst may affer some speculations on how these policies are likely to be madeled.

The analyst's comment has a two-fold function: first to provide secretary commands the reader with the busings and (e.g. biographic data on daw) at which will not the hair report in faller peropective, and exacted a

Angles what further developments may follow the benderoused traction is simple enough for the analysis where the log of his job. The properties to guite seether or the contract of the party of the par

employed by the researcher working on a long project, are of limited value to the current intelligence analyst who may have to prepare his comments within the hour. He will possibly have time to phone other analysts in the intelligence community who might have information on the subject. By and large, however, he is left largely on his own personal resources — the data he has accumulated in his immediate files and the knowledge in his head. The current intelligence analyst must therefore be the substantive expert in his area. He does not have time to learn while working on a project. He must rather bring the knowledge he already has to hear on his analysis.

The necessity for quick energies places a premium not only on updatantive knowledge but also on verbal fluctory. The current intelligence analyst has to write well while writing quickly. The importance of writing apritude is so high, in fact, that more senior officials prefer to him as apprentice current intelligence analysis young men with writing apritude who will learn the substance of their fields rather than

what setter appelations was any difficulty with vorbalisation.

From the lareguing. It is superest that the person who takes to correct tability and resident to mentionedly escalibre to signs of change. fat he is passed with the the file the flametal analyst who does not identify a bear meries until it is under way for some time; he too will not often identify a trend of the very inception. Liberalization during 1956 in the Communist world was shorted following the Hungarian revolt and ether demonstrations of popular unrest in Eastern Europe. The shift toward orthodoxy was all the more difficult to identify because of crosscurrents in the Communist each. Man Tue-tung was preaching the virtues of letting "100 flowers bloom" months after the shift from liberalization had begon in the Communiat world at large. To revert to our stock market analogy, industrial stocks were kilding while the rails were still heading up, and it was hard to establish that a bear market was in the making. The scute analyst is the one who issuifies the trend before the public at large.

The sixth sense which the current intelligence analyst hopes will juickly tell him the direction of developments is a compound of background knowledge and constant scanning for significant details. He has nonething of a newspaperments mose for what is newsworthy. The follows of important officials to make public appearances is the classic if overworked example of the information the current intelligence analysis.

is constantly on watch for. If a new politions and central conmittee and just been elected. By It was than eller analyze the slave to his
the members are listed. By It was than eller analyze the slave to his
leaves. For his work is sever to putes what is happening now and always
to explain what is happening now in the light of happening before and as

Past Fallures of Current Intelligence

Post-mortems reviewing past failures of current intelligence.

"Requirity show that the westnesses lay not so much in the marvellability of information as in faulty analysis. "It is offen harder," Allen Dulles has said, "to use the product than to get it." A case in point is the Randerick Raid of December 1964, when the Germans launched an attack with 34 infantry and armored divisions on a 35 mile front to a depth of 60 miles. Sufficient information was collected prior to the assault to show that extensive Germans preparations were under way, and intelligence at the army lavel did in fact predict the attack several days in advance. Intelligence at higher levels, however, reversed the judgment, concluding that the Germans were most probably only utrenginening their defensive positions.

attributable to the failure to ensuince policy makers. Stalin, for overable, took a consistently negative stillade towards reports indicating

an impoinent German attack in 1841. Hitler, similarly, ignored for everylage of the Angle-American lending in North Africa.

the most dispatrous fallure of ourrous latelliques in US bistory The less appeared been of the Japanese attention being Martines. Here again, there appears in bladelight to have been justified in second on evallable to start malitance efficers and policy officials. There was, however, no full appreciation of the significance of the information. There was, further a failure to get the intelligence information to all the quarters that should have had it. It was known, for premple, that the Japanese consulate in Monojule was sending messages to Tokyo on the location of ships in Pearl Harbor. It was known in early December that the Japanese embersy in Washington had been ordered to burn its communications codes. It was known that Tokyo had told its diplomats in Weshington that a deadline had been set for the completion of negotiations with the United States. It was known that the Japanese were continuing negotiations in Washington in early December for the purpose of averting American suspicions. It was known that Japanese. military doctrine set great store on the virtue of surprise attack. It wan, however, the general assessment in Washington that Jupanose military notion, it it came, would be in the Far East. It was, moreover, not decemed secretary to keep the military commands in Hawaii fully appreciated of the intelligence information collected. As a consequence,

there was no appreciation in Mawaii of the ominous significance of developments just prior to the attack on 7 December, such as the entry of a two-man submarize in problems waters of Pearl Revoc and the appearance of unidentified planes on the army radar street.

Indications Analysis

Pearl Harbor impressed many intelligence analysis with the need for developing a doctrine for identifying the symptons of impending attack. A study of past wars, together with some introspection on logical courses of action in future wars, will soon suggest to any thoughtful person some likely symptons: instructions to burn codes, withdrawal of financial renerves held in foreign banks, recall of merchant shipping to home ports, official warnings that specified acts will be followed by retaliation, cell-up of military reserves, accelerated stockpiling of strategic materials, intensification of vituperative propagands. To name a few of the more obvious symptons. None of these are essential preliminaries to an attack, and all of them may appear without necessarily precaging hostilities. Their appearance.

The sophisticated analysis of these symptons requires also a recognition of evidence which points to the continuation of peace:

the deposit of funds abroad, demobilization of armed forces, whichdrawal of troops from frontiers, consulton of bellicose propaganda, to
came a lew examples. The analyst here is under constant (1950) and

to be on guard against deliberate deception. While a break in the

districted negotiations between the United States and Japus Selocal Ligarian States and Selocal Ligarian Sel

The watch for symptone as or indications, to use the favored terminology -- has virtually become a specialization within the current intolligence specialty. The indications approach is a counterbalance to the experts predisposition to reject deviations from known trends until new trends have been firmly established. This is a predisposition which is likely to be reinforced by the experience that such an expert turns out more often to be right than wrong, just as the weathermen in many climates can be more often right than wrong if he always predicts today's weather for tomorrow. Unfortunately, the anayst who is unconsciously given to this sort of pragmatism is most likely to be y rong when it is most important to be right. The responsible area adalyst values the stimulus of the indications specialists who is disposed by his function to wild surmises and, like a Socratic gadily. former the expert to examine carefully -- and not cavallarin explain away -- each now symptom of impositing hostilities.

The area analyst's particular contribution, in turn, derives from the expert knowledge of background evidence outside of pure indications

intelligence. Intensification of civil defense training, for example, is susceptible of offensive or defensive interpretation. The preferred interpretation will depend in large part on considerations of setting and milieur Would opposition political parties stand behind the government in a war situation, are economic development objectives a discouragement to military adventures at this time, does the country cujoy the full backing of its allies?

The Watch Committee and National Indications Center

indications analysis is in large part a constant watch for the steps which a country short of war readiness must take to be ready to strike. Its usefulnesses diminishes insofar as the country in question in already on a war footing in a situation of constant crisis. Its limitations are particularly obvious in small areas of localized tension, where the capabilities for attack are complete and only the decision to attack it in question. Despite these shortcomings, indications analysis must be pursued as a necessary guard, thought in any a guarantee, as short another Pearl Harbor. A considerable must of the national interligence of large fore, its devoted to the sent for symptoms of impositely.

She machanism for integration . The intental opinions on the significance of these symptoms into a rational intelligence orally sin in the opinion by the Watch Committee, one of ing standing committees of

by the deputy director of the Central Intelligence Agency, and its members are eduposed of senior officers of enumerable rank from the other intelligence organizations. At its meetings, each symptom observed since the previous meeting is considered one after the ether and a conclusion reached regarding its bearing on national security. The conclusions, published in a report as the consensus of the intelligence community, represents an authoritative a determination of prespects in the coming days as is the National Intelligence Estimate of longer range prespects.

Working under the Watch Committee on a round the clock basis
is the National Indications Center, composed of indications specialists
from the various departments and agencies. The Center is the constant
recipient from the departments and agencies of all intelligence
suggestive of possible hostile intent, together with their evaluations.
This intelligence is collated in the Center as a basis for the agenda of
the next Watch Committee meeting. In addition, the Center togages in
continual analysis of its own based on its long experience with

The machinery for current intelligence production, including indications analysis, reflects the ever growing appreciation of the need advance.

You warning. The machinery is yet to be tested fully, but it has

in the same of the

Chinese off-shore island cylers, for example). The importance of its in the containe of its in the contained in an age where the time required between the importance of its the blow is being steadily demonstrated. Under these attractions there is little alternative to the development of techniques that will provide all possible forewarnings of decisions to strike.

Basic Surveys

planning of operations against the Olibert lejends in 1813 was the planning of operations against the Olibert lejends in 1813 was the tack of precise hydrographic data. The available charts were so out of date and inaccurate as to be worse than useless. The tables were extremely sketchy. Yet information on the surrounding waters was vital to the success of the proposed amphibious operations, which would involve decisions on such matters as, the best type of landing craft to get the troops ashore with minimum danger of capsizing or grouding. The intelligence gap was never satisfactority filled, and a considerable part of the beary easualty list on Tarawa was attributable to the inability of landing craft to traverse the reefs off the landing beaches. The American dead on Tarawa lay as made testimony to the vital importance of socurate basic intelligence.

The circulates and body of a country and its people, basic intelligence that an are but not changeless. Like the World Homense and the cocyclopedia Britannics, basic intelligence handsooks must be mentionally revised. By and large, however, basic intelligence is relatively stable because it is inrecively searched and comparatively

THE STATE OF THE S

In spoders times, haste intelligence has been called upon to make valued contributions to military planning, and most Suropean countries have long maported a countdevalue likely intelligence affort. Sherman Kent's cutties of the table of contents of a Corman handbook auggests have of the seneral artist of citedy which bests intelligence encompasses.

I. GENERAL BACKGROUND, Location, Frentiers, Area.
History, Covernmental and Administrative Structure.

II. CHARACTER OF THE COUNTRY. Surface Forms. Soils.
Ground Cover. Climate. Water Supply.

III. PEOPLE. Nationalities, Lindguage, Attitudes. Population Distribution. Settlement. Health, Structure of society.

IV. ECONOMIC. Agriculture. Industry. Trade and Commerce. Mining. Figherics.

V. TRANSPORTATION. Reilroads. Roads. Forta. 'ir/ickle. Inland Waterways.'

YL MILITARY GEOGRAPHY, (Detailed regional breakdows)

WILL TARY MEAN PROBLEM IN BROKE, Avery Order of Sattle State December. Williamy burnished Sapply

Navy Color of South, The Tiert. Man Spece Latertations.

Naval Aug Sugar, Air Crear of Sattle, Military Agrond.

Ale Installations (See List of Aircrones, etc. Special.)

Appendix Lighter than Arr. Supply.

VIII. SPECIAL APPENDIXES. Biographical data on key figures
of the government, Local geographic terminology. Description
of rivers. Labes; casels. List and specifications of electric
power plants; Description of roads; List of sindromes and
most important landing grounds. List of main telephone and
telegraph lines. Money weights, and measures. Seaches
(as for amphibious military operations).

intelligence by those responsible for negotiating and administering the peace. The British delegates to Paris at the end of World War I, for example, were equipped with so-catled peace handbooks, which summarized the ethnic, economic, and political problems of the areas which were to be affected by the redemarcation of new frontiers. The

paralleons. All the trouble spets of the nentiard agree examined in sinterioral perspective — Airbit—Larraine, Bliefs, the Dardenelles. Sintar ancorprome Station, for exprise degrees of Stati, were also available to delegates from other tenderies. Their proparation before all interpritional conferences is essential if the delegates are to be employed to discuss the legitus intelligently. It is hard to imagine, for sumple, a discussament conference, whose delegates did not come foresament with basic intelligence regarding the armed forces strength of the other contries in both mea and equipment, the positions of these countries on disarragment issues in past conferences, signs of softening or stiffening of their national policies and the prevailing military decirios that would affect their preferences for one sort of arms limitation rather than smother.

Basic intelligence handbooks also served in post-war periods as aids to military government personnel charged with administering the peace in occupied countries. Though the content of these books was not far removed from those employed to aid military strategy. Served dissimilar ends. Railroads, ports, industrial installations were now studied, not as inrusts for attack, but for their serviceability to occupying forces and for their essentiality to the occupied economy. Military government handbooks took note

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of popular sensibilities that should not be offended rather than
popular characteristics that might be exploited for social subversion.

The amount of hasic intelligence accountiated over recess years is so large that only a part of it is contained in formal studies.

The flies of the intelligence community's ecopyal reference services are mines of information that can be collated no as an needed basis.

Licetronic data processing methods have blurred the distinction between the cards of the central reference services and so-called linished intelligence. For within the day, the cards can be run and rerun to yield printed listings with accompanying descriptive data of personalities and profitable industrial targets for military attack, to name but two of many possibilities.

The advantage of maintaining basis intelligence in a form that tends itself to automatic sate processing is the case of continuous revision. The tistings of power plants, suntdipal utilities, pipelines, mines, opicatial observatories, etc. contain all the data known to date, not merely the information available to the time the last handbook was written. This technique for basic intelligence presentation, however, is less useful when textual rather than tabular expositions are called for, as for example, in studies of social and psychological obserscientatics.

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highlighted America's lack of ferenight belong Forth Facilities to balle up he have being forth forth for the real forth facilities to balle up he have being health for the first of health up he have being health for the first of health and forthered access to BIB (least-blacked likelinguese finites), the coordinated have inhallinguese studies of the firsten. It became apparent that a similar effect was access for Pacific perfections, and at the President's direction, the Joint Calets of Stati greated a Joint Intelligence Stady Publishing Board to produce the so-called JANIS (Joint Army-New Intelligence Stadies). The JASIS volumes provided officials and intelligence research analysts found the and of the war with detailed information on the historical, geographic, political, economic failtance, and sociological backgrounds of the areas studied.

The JANIS volumes were a wartime stop-gap. It was widely realised that basic intelligence must be produced in peacetime and kept revised and ready for use in a national emergency. In addition, the qualified character of the post-war peace heightened the general receptivity to a basic intelligence efforts that would serve non-military operations such as propagands, foreign aid planning, and economic

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in 1948, the National Security County Religious Intelligence
publication of a basic intelligence series called the Retional Intelligence
Server (ND).

The Pullered baseligence Butters

As he the pase of a Belleval beautifunce, delication of the intelligence of the Section of the S

The agency best find to as ALS are, in excel cases, organically separable and out to published separately rather than integrated into a composite production like the Mational Intelligence Estimate. In sport that they are consistent with each other, but there is not the wooding into an organic whole that there is necessarias the National Intelligence Estimate process. Similarly, when the surveys are revised, the revisions are edited and published not by subject. For affording basic intelligence which is an

The state of process to the procedure has a less advantaged over the state of the s

THE RESIDENCE OF THE PARTY OF T PORTER OF THE PROPERTY OF THE PARTY OF THE P are but are varied. Small grade trainers the take seconds for origination in their any proce of respensivity. Distornate study them with equal profit prior to their departure for new posts abread. Analysis refer frequently to the surveys the meany ballmers to spot questions. (What sunt her the rall lines on Shroku?) Milliary settlesers employ the parroys of standard references to the formulation War ales After Mil Level the survey of the smaller in the their detail, but edeptors giving an overview of a country have proved perviceable to high efficials. The value of the National Intelligence Agency is appreciated at all tevels, both as a support to current operations and as an insurance against future Tarawas.

View property all the sendence disciplines -- sociology, economics, then from virtually all the sendence disciplines -- sociology, economics, and others, and there was sociologically secondists in one of these categories, and there are substituted by surplus comparisons then one if their responsibilities in special services the sendence of their responsibilities in special services to such the second to the military and natural selepters as well, so that specialization by subject estegory is as much the selected to intelligence today as in the academic world.

Mational Security Council directions have established the responsibilities of each of the organisations in the intelligence accomminity for producing the various subject estagentes of intelligence. Over the years, these categories have become differentiated by specialized techniques of collection and production.

Folkioni Intelligence

mains. The military sirategy and testies of wartime give way to the political policy and represent of peacetime, and political intelligence

Company States are see

The of the constant of the work again

Approved For Release: CIA-RDP75-00001R000400530014-1 The principal obstacle to definitive political intelligence lies in the nature of the field it openes) in only engagineral cases in A mie migrations may not be the mention to openitify the data. Been the substitute for the statistical of proceedings and successful. Military mor may be be restal. to Che the Little Marie and the Marie Marie and the Marie Marie Marie and the Control of they provide ministrical orders of strength and weakness. Matinuates dealing with pulkfast draumics, by westpast, duel with the immentary this and the impositivable; the policy indicar negat accept intalligence which lacks the accolston he would like. Peasant stiffudes may be described as anatholis or sullen, and the fire measures may be available to surgest the Charact of nomine heatility to a regime.

k follows that will be witherliastion marks the political analyst more than any other intelligence officer. His expections are tentual. rather than tabeler. Leas agie to draw an members, he relies on precision of language to communicate intelligence on the subject in his purview. A few illustrations will suffice to illustrate the range of this MITTIOW.

1. Loci of power. The equilibrium of a regime may rest on the precurious balance emony the contenders for tesdevahip. The political analyst strives to understand who and where are the costers of political power. In the jockeying that followed the death of Stalin, the relative

- clearly revealed in the flarce glow of open revelt are "timperatively infraquent. More when, the political analyst must six a teginse"s claims of popular support and equally suspect charges discussional article. The principle was perpagande semetings speaks for most eloquently on the suggest. Haracques against "hooliganism" of yestles, "conservations" of persents, "local chartenisms of ethnic minerals, ettest clearly to grisvances and unrest.
- The mostic programs. What is the progress of anti-religious
 manapaigna? Of collectivization drives? Of literary and education
 managements? Here the political analyst can surrecting a quantity his
 material period by actimates of the emosts of chance hands cantinomed, the
 manager of persons expelled in collectives, the number of graduates from
 these basel institutes. The political enalyst is start to advances and

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retreats in demestic programs as lary land creek at electricity.

the view of the larged seign of his interripts, the political analyst has to be establic in his time of establic sources. Order information furnationary speech controlled batts nelected in Sea Perty Congress, the texts of state encountriples, said statements on doctribe) constitute parlays the bulk of his background knowledge. The diplanatic cable or dispetch reporting conversables with foreign ministry officials in an essential source of information on fevelga policy. Other commentances from foreign pervice efficiers are also welcomed, coming as they see from knowledgeable sindents, who cannot engage in claudeatine exclusives but whose logitimate duties here them as ong the best informed any political france. Reparts freedlandeatine services are a necessary emphasized to over information on those publicits where political

27

they are, what they steed for. If the intelligence organization is on its toes, the jeb win integral dots long before. For his properties in ministries, intelligence, what they steed for. If the intelligence organization is on its toes, the jeb win integrity dots long before. For his properties intelligence organization is on its toes, the jeb win integrity dots long before. For his properties intelligence outsile not movely the accommission of information on the prominent.

It includes also personally denotors on the obscure and the underlings, whose characters and expendence are matters of record below they make the front pages.

three billion persons in the world, is biographic intelligence likely to draw a blank for individuals who become prominent overnight? In the case of persons who advance quickly to political power, the gaps are comparatively rure. The new faces that appear in polithuro ranks after deriodic rankuliles are not of people new to the party. They are of Communicts who have made some mark in amorphism positions, perhaps in the provinces. If their previous jobs in the party were a matter of any

HOW TANK TOWN TO BE LOASE CIA-REPLANTATION OF THE BOARD STORE AND THE STORE OF THE with military revolts that raise junior officers (say a Sergeant Subletal to person but if the personalities involvedure middle or high the revolu-od poets remained the

The second of th delice of the second of the se marty and government positions, his rustgrations, timentes, trips, notes on his president or stispens at public heavilens. He wastes! analytical abilities my received to handle the complication of such data. It is a job of typing and filling, crating and posting. The trained Mographical analyst, hesserer, is several cuts above a clerk-typist. Hardly content with a Who's who semperation of sheight lacks, he endeavors to portray the rounded men -- character, ambitions, opinions, weaknesses, friend, relatives, and particular allegiances in the network of cliques that may dut across the fermal structure of party and government. He is prepared of course to give World Almanac of seems to such questions as "Who is currently searchary of the Asian Solidarity Committee?" But he size stands ready to include premonitory elements in his report - the minrs of the policies to be expected from

the second state of the second second

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De Gaulle, for example, in the light of start the Translation compiled about him.

Upotel as are the desiders of missing resided personalities against the day when my of these surveyers but the first the stage of the stag Attely successors THE REAL PROPERTY OF THE PARTY the land will be will believe the agent will be the leader of Communist China? While the election is bear considerable, it is limited at least by the seast larger than it limits candidates -- say the membership of the pastiness of moreover attl. of the polithuro's inner circle known as the standing soundities. The principal difficulty is that, while the candidates are four, the guicame may binge on the distribution of their supporters to the rest of the polithure, the central committee, and paraspe other organs of the party. Biographic intelligence must therefore determine who is likely to support whom. Known friendships, family ties, or presumptive obligations resulting from spensor-protege relationships to past jobs are nacespary elements in the analysis. A careful study of public remarks may be useful. Which members of the central committee seem invariably to some choustin-ini's statements on major issued? Which overs to in Mary Light Chart-chi's phrases? The imposterables form large in such an articula, but the fame is too important to forego DESTRUCTION.

Strategic stature that even pracetime estimates require translate to early is of armed forces intelligence. It is present for because the lightness in praceting it, is more remoted, because that armed forces intelligence in praceting it. Is more remoted, more difficult to come by then during way. According to the force in praceting the process, principle of war interrogation. It is presented as a principle of the pickly prolific data during benefitities. Intermediate passed country to military estaches and estern in an adequate agreetical during peace.

A large part of the men-bours expended in a military intelligence organization goes into the pick and shovel work needed to snoover the organization and should be a hopelogs of the military structure from the ministry level down through the various levels of territorial and inction organization. If the information available is fairly complete, the intelligence organization will some up with a reasonably goed picture of the relationships success the high commands; the civision of the country into corps areas, flect commands, air commands; the location and function of the headquarters, depote, strilled, and other installations; numbers and case ribution of personnel; wearant, vehicles, and other equipment.

Approved For Release: CIA-RDP75-00001R000400530014-1 . The geographic factors which influence military operations also come white the same of military litelingual. Then are typecoms i The state of the s (Contractions) A las tolerandes as well distante descriptions. prodigitation, shouls, fog, benefity, while it was on sylan are The state of the said In adequate for estimates of sessentiality of sellings and other personal formation of the second WILL SHALL GOL GALLANDER & PARTY

Enclosery, so is speak. If a second distribute a find the physical setting. To some extent, this connectable of the specific will threw light on the effectiveness of the strend forces. But to round out the picture, extention must also be directed to the intengibles. This necessitates, for example, an evaluation of morale, of training methods and of tantical and strategic doctrins. Methods and doctrins will be operatored as they hear on the employment of particular weapons and according to the strategic doctrins.

In the purview of the evaluation will also come practice and principle value. See a substance of the second second

interplates encoursed. Regularizations for suctions, Seel, ammention, encoled supplies, and the matter material must be seen paid. Calculations must be made of the matter of trains, ships, tracks, signist, and other trainsportantic should be more man and equipment under given circumstances. Requirements must be matched against assets, with appropriate consideration of valuerability to interdiction.

The "flaps" in military intelligence occur when new activity is disclosed -- movement of tropps to fractions, increase in artiflary enchanges between unfriendly serves, treasfer of military equipment from one nation to smother, testing or introduction of new weapons. As eften as not, military intelligence is not competent to make the evaluation alone. A joint consideration with political and other analysts is called for to appraise the full significance of the new scrivity. The jeopardy to military intelligence is filled and other analysts is called for to appraise the full significance of the new scrivity. The jeopardy to middle flest peace of Communist military shipments to the UAR, for asserble, is to be assessed in the light of the political as well as military flectors operative at the moment.

Stiertifie Intelligence

There is some overlap it precises between scientific intelligence and technical intelligence, and it is emphasized here to consider both together. Technical intelligence processes areign technological developments which have advanced to the point at leaving a practical application for war purposes. Scientific intelligence covers technological developments also, but only up through the research and development phase. In addition, its scope includes areas of research that transcend the strictly technological and the strictly military, e.g., mathematics, medicine, solid state physics, ensymbles, radio notronomy, occanography. Technical intelligence is a responsibility of the military services. Scientific intelligence may be pollected and analyzed by other organizations, e.g., the Atomic Energy Commission.

The growing importance of actantitie and technical intelligence burnly record to be labored in an age when hattonal accurity is so closely second to advances in nuclear physics, rocketry, electronics, that medicine, to name only several of the fields marked by a smaller or antitroughs in recent years. Even in the minute onth contary, the importance of technical into the marked was widely separated at once of the internation which therefore was widely separated at once of the internation which therefore was nightly accused at making to the lateral deals with the design of a new artillery receil machenism.

religible of World War II gave strong impetus to the expansion of successful and technical intelligence offices in both the acts and allied process. Reports in the flies of Stritish intelligence when the war began, the Europha, indicated German development antivities do gliding bombs.

ploties alforati, language guns, rockets. The war was loss than a year life when the Stritish became convinced that the Dermans had developed radio beans for blind borning.

The discovery of the beams, by the firstish is illustrative of the manner in which scientific intelligence trequently combines to usual scarces of intelligence information to good reports, overt publications, size,) with technical means for couple a tag the information. In this case, the technical means involved the scarcing up of an RAP scarcin aircraft, which detected the German boams in the expected place and at the expected frequency. German circraft, with recoivers extensibly designed for blind landings, had been shie to ft, over the Writish lakes at night and drop their bombs at the intersection of the beams on presclected therefore the British property. In the ware

the spetting of German radian recommend applications the combinate for of recomical and traditional mostly and rechilgence diddecrees. Finds approximate and the radio decimals were radial stations while they were

taking radio bearings. Agents were then directed to proposed the inland stations, after which further details were obtained by photo reconnaissance. By these methods, British intelligence located more than 740 German radar stations on the continent, leaving not make then six to be uncovered by the ground forces after D-Day.

Sources of Information

Like the other intelligence categories, scientific and technical intelligence maximizes collection from overt sources. Since the death of Stalin, the number of Russian scientific and technical journals allowed to circulate in the West has expunded. The Library of Congress publishes a "Monthly Index of Russian Accessions," which gives the title of all articles and books received. Specialised bibliographies and indexes are also published by other libraries, e.g., the National Library of Medicine.

The limited Russian language competence in American scientific circles has spurred the initiation of various translation and abstracting programs. The Chemical Abstracts, Excerpta Medica, and the Mological Abstracts are among the best known resumes of Russian acticles. For those with some Russian language competence, the distract journal Reference, Sharpak, published in the USSR, is

there are unusual design features that would permit of super performance.

It may be possible also to determine if the engines are squipped with afterburners and to estimate how much thrust sugmentation the after-hurners provide. It may also be possible to estimate the weight and unaugmented thrust of the engine.

han depend by the extraordinary secrety that surrouses the obvious targets of the disadestine services. To aggravate the difficulty, the secret agent who is also a trained scientist in Klais Fushs or a Bruno concervo) is a rare find. When the combination occurs in one person.

predibility if it is acquired by technical methods. For example, one makes nuclear explosions in the atmosphere up to fairly considerable origins can be detected by accurate waves. Even amalier explosions in

The company can be detected by hydraconatte methods. A stranger and service many for or explosions are such that the occurs, detection is the sample of rediorcaire detection. The sample of rediorcaire detection is according to employing of rediorcaire detections.

The secontific intelligence agreer is or source Mrnself trained in science. Ido talents need not run along lines that result in croative . contributions to scientific impriedge, but he should be shie to appretse the significance of such contributions for actional security. He way, in many cases, be able to draw on the consultative services of andiame experts; he will have to tell to them in their language and hold his own with there. At the other end, he will have to translate scientific and technical collection requirements into imagings understandable to entrained sources. This ability to minimise jargon also stands the intelligrance officer in good stead when he presents his conclusions to policy maker's and operating cificials. It is a talent be near far more that the political analyst or military intelligence this is, who spent to policy measure or communiting officers profty much in their own language. it working columns to the language proview may a morning be to combine a chora iniviligence report to the process or more with a detailed technical

repositing greater continuous in his own constitutions. An occupational fulling of experie -- though that are risk more often than not -- is to be heavily influenced by their sen particular lines of research when called on to assess possibilities in bruigh constraint. British experts in World War II, for example, whose experience with practical ruckets was then with those barning excelled in a seal case, looked at photographs of a German rucket at Pernamunde and assessed the weight at 80 tons. British scientific intelligence, on the other hand, relying to part on reports from agents and prisessers takingting liquid oxygen to be one of the fuels, came up with the much more perturb extinate of 12 tons.

Analysis

Where technical melihods of detaction are executated, the scientific intelligence officer is grantly housisted in his ambais. Technical detection, however, is siten short of being all informative. The analysis of radio-active debris, for example, is subject to considerable error for calculating the exact location of a nuclear explosion. In the analysis of such cases, the scientific intelligence officer labors under the standard uncertainties, which will not be resoived by the experimental and laboratory techniques of the natural sciences. He rests his analysis

Approved For Release: CIA-RDP75-00001R000400530014-1 the other standard sources. He to londes the information received. consistency with other known facts. His conclusions are compounded from imposderables, not the measurables his his academic trabing

The ecientific intelligence officer, though he relies heavily on his academic training in the natural sciences, thus flads himself approaching his work in the manner of militirestigator in the secial actences. There is indeed no substitute for this approach when the matter under consideration relates to people and institutions. The organization of the Academy of Sciences, the curricula of engineering colleges, the annual graduates from technical schools, the transfers of missile technicisms to other localities -- these are subjects which the scientific intelligence officer handles with techniques that are estamon to intelligence analysis concrally.

The very speed of technological advance accessitates ever greater emphasis on scientific intelligence in this century. Scientific intelligence will play a role which is trying enough when the United States and other countries have alike developed new weapons, and American experience our serve as a guide in the analysis of foreign developments. The role will be more difficult when the United States has alone produced a weapon, and it is necessary to prove a negative case. It is likely to be most critical when the United States is still unsuccessful, while a

American technological supremator, and widespread skepticless has
two often received all but the most incontrovertible facts about foreign
levels of achievement. In the ability of scientific intelligence to adduce
the facts roots the satism's accurity against surprise from new technological threats.

Economic Intelligence

It is the magnitude, structure, his time of greath of foreign somewhat as they due tembels in allifery sever becomes a potential for war—that present factories the primary interest is account intelligence the decisive influence of American seminate superiority is the ambiguous of World War I and World War II grow size to a proveniling themis that a country's assemble in Mir decision shows all on its conversion of economic resources to combat power. The all important analysis, in this view, down not from intelligence of ferces in being, but of the economic sobilization base—mappeds, stockpiles, and productive expectly over and above what must be drawn down for Americal civilian requirements.

vith the rice of ministr power, this view has been called into question. As sees analysts envisings the probabilities, forces in being must be the primary determinant in deciding the outcome of all-out unclear conflict; connecte potential for sustaining hostilities in irrelevant in a setting where the asbilluation base is decomed to quick extinction. Insofar as anchear capabilities are a deterrent to all-out war, hestilities are savinaged on the Korean puttern, which do not call for the total involvement of

payoriz representation process and process of contents in the light states of contents in the light states and the light states and the light states are states and the light states and the light states are states are states and the light states are states are states and the light states are states a

Analysis of War Polential

In the derivation of a measure or measures of a setion's capain the derivation of a measure or measures of a setion's capaidities is supply mentifies and military personnel. The measures
may be specific or aggregative. Examples of specific measures
are shipbuilding depacity, manpower of military age, petroleum
production. The aggregative measures relate to the accommy as
a whole or to broad sectors of the economy, e.g., indexes of overall
industrial production. A discussion of these measures will illustrate
the elements entering into aconomic intelligence analyses of war
petrolial.

1. Katural resources. Capabilities for the extrace tion of from ere, coal, and other computal minerals are s clear limitation so a security's shillty to mage thr. It is the importante in making our of a disposaltied rendered been that lands much group betweeting to these goographic sine in the ampticts contary, There are as of self-sefficient anders economies, but the island kingdoms and smaller metions that were the great powers of an earlier era are under particular disadvantages today in having to look outside their berders for so much of their ray waterial requirements. In addition to mineral resources, the analysis of war setestial must consider agricultural resources. Japan's stature as a great power was supported before World War II by her ability to command feed imports from Taiwan and the Asian mainland. Her insufficiency of feed would be a serious waknesses in another war.

Shorteges in natural recourses can be smellerated, for a time at least, by stockpiles. Estimates of stock-plies must therefore be included in computations of remostree availabilities as matched against requirements.

Secondaic intelligence shalpson along gives recognition to
substitutes in such calculations—synthetic in place of
the forest ruples, for example. The Sice in place of shorter

THE RESTALDS

of index to military power, but it has served recoverably well as a point of departure in analysis. The smallest constrict exact have large armies for lack of manpower. The secondarity beckened countries conset have large armies due lack of money to support them. With more than three times the physication of the United States in World War II, China put into the field loss than half the man mobilized in the large, industrially account designed armies that that manifest armies in

Calculations of maspower availabilities rest first un estimates of the total population, elaborated by age and sem. Her of military age committates a crecial component of this subjects. Scalls characteristics of the population are also considered in describing availability for military nervice. Inter predictivity is a factor in estimating civilian labor force requirements; the lower the processivity, the greater the number that must be kept in the fields and factories. The training and education of the labor force are further factors, which limit both the procession and utilisation of medern weapons. The calculations invariably alies for additions to the labor force in wartine of women, someol children, and retired persons who would neckedly be outside the labor market.

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3. Industrial expecities. Var potential estimates

rest in larguet part or calculations of specific industrial

cardelline—steel inset, mechine teels, electronis dusp
ment also tambs, electric power, shiphullding, multipas,

selds vehicles, and ethers. Degrees of managingity or in
feriority are as person not shown by more meantiness of

the properties of expectty that can be develop to mer pro
duction. The forest the tracks that ment so be civiline

customers, the more the army can have end the greeces the

astion's war potential.

The production statistics published by foreign coverments are a sajer source of estimates of industrial capacity. In secont years, the Communist governments have found their propagands purposes well agreed by releasing more detailed statistics of economic achievements and of projections under five and seven year place. Economic in-telligence may have to make its own adjustments to these figures, but they serve as starting points in analysis.

On sectors of the economy for which statistics are not released—airplane production for example—economic intelligence must employ more indirect methods. Order of battle and table of equipment information on the air force that are considered as the constant of the consta

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A. Transportation. In 1904, as assive in limited to a consideration of resources, maspeers, and industrial capacity would have come up with a higher war solential for Eussia than for Japan. But Eussia was decisively defeated, because she was not able to bring her power to bear in the theater where the contest was decided, the Far East. As this illustration must immediately suggest, comparisons of war potential are meaningful only for given assumptions about the character and locale of the hostilities. China's potential relative to Brazil for a war in the Far East is of one order; for a war in Latin America, it is of quite another order.

Transportation donetitutes a chitical element in a specific theater.

The completion in 1968 by Commutant Think of a rational to the appropriate in 1968 by Commutant Think of a rational to the appropriate border considerable man, so the First E, the company littles against the French. It specify expanded nor and at the sould war It enables the United States to the Calcade and a sould war It enables the United States to the Calcade.

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perceting economy, truste is a precarious asset in verHong Kong's food imports from the Chinese mainland are
economically sivantegeous in peace, a liability when under
strack. The economic intelligence officer, however, is not
likely to regard a sountry's trade pattern as one of the
most critical factors is its war potential, for patterns
of trade are often easily adjusted to political or military peconsities. The boak of Communist Tugoslavia's trade
was with the bles before 1946. After the break with Stalin,
the Wast became Tugoslavia's principal market and source of
emply, and the shift entained no cerious disruption to
Belgrade's economy. Sovietian with China was small in
the 1840's; with a Communication of paperner, the USER

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patterns can be fairly rigid. The Callabo Communists might rearriest most of the country's track for cher still had to import rubber from estude the black that analysis here may turn on acquire are the lines of wally allowable to interdiction is a per situation? Institute the back walled Status gets its michel from Canada and Osba, the wartime disadvantages may not be serious. Institute at the imports must come ever long ocean routes from the She mast or South America, the disadvantages may become serious indeed. Trade with pearby, friendly countries in the heart best thing to self-sufficiency in wartime. Trade gigh distant or unfriendly countries may entail heavy costs in convoyant much inconvenience in rationing.

analysis as foreign trade patterns. Even is relatively solf-sufficient countries, specialisation by region is the rule. Concentrations of heavy industry and matters of light industry are separated by varying distances. Certain industrial crops like cetten can be grown only in limited areas. Trade links the regions, determines a country's attemption and valuerabilities, and conditions the agency a susceptibility to disruption when subjected to a subject of military blows.

Approved For Release CIA-RDP75-00001R000400530014-1 estimating the potential of large, ompitalist economies in in allowed our . The persons intelligence efficer prefere to make his healfule is real rather this same terms. The second the second secon industrially advanced todatries will be and all the economic respersed possible then mitiguel survival to at stake. The availability of resources, rather than finance, is taken as limiting. This is true also of Comminist countries, but bere the study of government finances may afford better inmights because of so such of the countries! economic activitios-the amount of new investment in industries, for example -- is reflected in state budgets. Communist budgets thus afford a useful supplement to other areas of study for estimating rates of economic growth and sbility to sustain increased military expenditures.

The shortcomings in particular cases of financial analysis under all-out war assemptions may not apply to situations short of all-out war. There the government has not the strength nor will to commandeer resources and there is strong popular registance to increased tax burdens or continuing inflationary prossure, the state of the budget become a limiting factor on a country's ability to prosecute military hostilities. The strengt on the French budget as facted the vigor of France's before to hold its position in Andochina.

Financial sasives is also a metal approach in studying countries which have very little in the way of resources within their Mondess but said Sather procure them through trade of the few aboves. Applied a depositence on foreign aid to support its armse forces is readily assessed by a survey of its procurious finances. Sandi Arabia's economic potential for war against her neighbors depends on the weapons and equipment she can buy with her pil revenues.

Grose actional product. The most inclusive aggregative measure of economic output is the gross national product-the total value of all the goods and services produced by a nation within the year. International comparisons of gross national product as indicators of war potential are usoful, but the sophisticated analyst approaches them with covered contions. The figures, for one thing, are stated in monetary value, and even under free convertibility of ourrencies, it is not readily apparent what dollar values abould be assigned to say Bulghris's gross national product for your possess of your potential analysis. Are Bulgaria's halfered to be valued scopidity to the octarl services reculture for Palacrian barbers? If Work trian barbers are as barronner as thair Aparacas com buy bres, also prosectare THE CAPPELLAND BULLETIES OF STATES OF STATES OF THE STATES The same of the same of

which it is the track to the far the property of the state of the stat

product the more useful concept for our potential analysis?

Again there is no ready season, Incide as low you capita
figures for Asian countries reflect living simulates which
regimes cannot further degrees, the tag Manatial of those
countries is clearly limited. But may if the emponents
of gross national product are more eligablished as aggregates
then as per capita averages. It is the manage of tasks a
country naturactures, not the number of tasks per capita,
that provides some neasure of its military superiority over

Analysis of gross actional product turns as much on its composition as on its total. The total product is made up of military equipment and supplies, expital goods, compuner accessities and insuries, and extertainment and other services. The country spending the most as military goods and services is estensibly building to its military etrength the fastest. On the other hand, the amount a country is able to spend on entertainment and other lummry consumption is hardly to be ignored; it represents effort that can be diverted to war production after mobilization. It is perhaps the gross national product exclusive of the amount meaded for empontial civilian requirements that afforces the best meaded for computing civilian requirements that af-

Contract of the second

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The proofs and mervices in an energency situation.

Problem is to determine essential difficult requirements.

Denorally, economies with high growth obtained product.

Per capits are geared to high also like a propagation of the next merely becames difficult for their denotes.

The next merely becames difficult for their denotes.

There have the representative of advanced communication.

There have, for example, are fairly distant from factories, more graphine must be set saide for getting people to their jobs them is the case where people live within walking or bicycling distance of their work.

The rate of growth is often as important factor in the consideration of grees sational product. Since World Way II, the way potential of the USER has tended to rise with the increase in its grees sational product. Countries with high rates of growth councily have high rates of savings and investment. This means that diversion of recourses to the military sector will probably accessitate deep cuts in investment funds, so that the war effort will entit a

The Laborators of memorate introllering the action has great as the behales of our our has resident the selection of the sele

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Architecture and the design and the design

Then the trong integers are bombed, the loanes to the enemy may be natched by proponenting benefits. The British air benefits of Bushing in the summer of 1948 laid waste a third of the city but the industrial plants escaped serious demans. The possile has to end a merious labor shortage in the city as stands clarks, garage attendants, shop-keepers, and others torsed from their bombed out places of employment to the par industries. Var production in Kamburg quickly returned to hermal.

Apart from its direct support of military operations, economic intelligence in warting must make its contributions to recurrent strategic estimates designed to inform the nation's top efficials how well the enemy is doing, how long he may be expected to hold out; what constitution appeals

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LO MAY be must responsive to. The subjects of scannic
intelligence here are pretty much the same as those demoribed in the preceding postion—manpower, industrial production, stockpile reserves, trade, finance, grees national
product. The methods of cellection and analysis remain
such the same too, illthough published statistics may be
less accountable in product. On the other hand, other
memories of industrials e.g. nerial photographs may become
more freely available. One of the sources that proved
particularly informative in World War II was that of
factory markings on deptured industrial equipment.

Earkings are the sameplates, the inspection stage, the serial numbers that are stamped or molded on matal ar rubber or other materials. Harkings analysis say reveal the producers, the time and place of manufacture, operating observations, quantities produced, and uspecially solution world world war II, markings employed served especially well to correct erroneous estimates of openy production made by other methods.

By studying the serial numbers and other markings on 13,000 German times, economic intelligence officers the calculate the name of times manufactured that negative by the major Corner time manufacturers. A

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proclusive buying, received of funds of

lationship to economic variare. In Britain, the Ministry of Economic Variare served as the economic intelligence agency at the beginning of World War II. In the United States, the nawly created Board of Economic Variare was charged with responsibility for economic intelligence. Experience has demonstrated the ensemblaity of economic intelligence in the choice and in the enforcement of economic warfare measures.

restrictions on the bunkering of vessels are intended to which cargoes (including those leaving for or descined to mentral ports) shipped to or by an unfriendly country. Scandald intelligence, often obtained from clandestine through, an necessary to determine whether chaptes are put of philosod on behalf of unfriendly interests. Hery recome must be signaled to intervept skips on the beaks of the country of the previous of the contract of the country of the previous of the contract of the country of the contract of the contrac

no placklisted, in which case exports to them and other business dealings are banned. Economis intelligence is responsible for the compilation of deamless, which give the names of merchant firms, their numbers officers, the actual emerchip, connections with other constant, records of suspect transmittees, and other portionst is investion.

- imposed on all shipments to the enemy. In other periods of international tension, export controls are imposed on selected items. Economic intelligence is called on to assist in the selection of products whose export would be to the strategis advantage of unfriendly countries. This may involve a determination of these countries legitimate civilian requirements, so that operating officials may impose quantitative countries are experts in excess of those requirements.
- 4. Preezing of funds. When dollar assets of a foreign country are frozen, American banks are directed to permit no, transactions in accounts owned by that country or its nationals. Noonomic intelligence may provide information to show that certain firms have a beneficial interest in accounts apparently owned by others. Swiss businesseen, operating in behalf of

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Germans, ware the catennible owners of attending decidents in World Tax VI.

- to along their overskip of properties, manufacture, to along their overskip of properties, manufacture, the constant intelligence may be the information showing the true organiship of these assets.
- garchane of items for the sole purpose of preventing their procurement by the enemy. The decision to undertake this expensive operation depends on a determination by economic intelligence that the product is in short supply and is extremely vital for enemy war production. Preclusive buying of wolfram and ball bearings limited the availability of these products to the Germans in Norld War II.

Booncale Intelligence in the Cold Tar

The Reviet challenge to the Vest, Mikita Ehrushohev avers, is not military. The superiority of the USES will be rather demonstrated, he claims as it eventually surpasses the West in economic schievement. The contest is in the economic arena; the world will be won by the system with the best production records. There is sufficient plausibility in the argument to stimulate the keenest interest of American policy makers in Communist economics quite apart from any implication for military houstilities.

are much the same claments considered in the section on war petential-manpower, outputs of specific industries, trade, finance, grees national product, and other measures of achievement. But the lines of analysis may filte measurement. But the lines of analysis may filte measurement. Enter of growth assume panent, importance, since the Communist challenge of the cold sur is the challenge of the cold sur is the challenge of analysis in the properties of my match up, " Changes in the education of continuous that reflect introduced in the properties of my mentionatial construction (and promote domestic appearance) as the supert of processes in the supert of processes at later is the cold may permitted. That is the cold may promise that a part is the cold may promise that there are the supert of processes at later is the cold may promise that there are the supert of processes at the state is the cold may promise that a part is the cold may promise that a part is the cold may promise the supert of processes at the state is the cold may promise that the cold may prove the superties and the supert of processes and the superties are the superties the

Bonnoside in the old ser actends payent the desertic scene, and accepted inthinguage follows gith particular interest Communist schools specify a other national fractions below their implications for national security interests; Pelaing views its trade pacts with free world countries as opening wedges in its drive to win broader international recognition and eventual Un nembership. Aid agreements have their political aspect. Economic intelligence and political intelligence working together will telligence and political intelligence working together will

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The scenous of feets of American fereign policies are also the concern of securety factors for the light of the concern of securety for the light of the concern of securety for the light of the light

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INTELLIGENCE IN THE SPACE AGE

Netional Intelligence in the United Roles today record operdinated stews of the best lighted as Double the necessity of production as an is erther transfer level. millonel intelligence is being prepared with renomiable deaper Mercever, the experience of the community with flags considered to an intelligence machinery which can react to opinio attuitions forces than ever before in American history. The procedures for achieving consciusus, asverthelms, do involve some minimum of personal discussions and group verbalization of issues. The homen teach is minvolable and places finite bounds on the speed with which national intelligence can be prepared. Is this speed adoquate to the seeds of an age which is shessed with the dangers of surprise attack by Apopon that may be delivered within minutes of their immobing?

The masser requires a clarification of the relation between early warning each the intelligence process. The Watch Committee and Maticual Indications Center may apprise the President of signs suggesteding preparations to issued missiles are just the United States. But when the missiles have left their paris, the responsibility rests on early warning operations of the military services, with their parapherusita of their complex of residues, computers, and other

electronic passingulations for around the short furnithmics of the air spaces. On the peaks of early warning fath like School Color observed and the same sections will be made in minutes of season father and the same sections of the same se

relate test to the speed of national intelligence presents that each marking operations. Levels of appointing someones: It seeds to release we clearly of key importance base. They place about the late that detection, surveillance by space safelikes, has a seed of analysis.

Speed computers - reflect that becomes being relate and sealing.

The critical importance of the air defends and the sector mirring systems acknowledged, artismal intelligence must still measure up to its own responsibilities in the space age, when the spaceay of its estimates is more closely bound then ever with the issue of national curvival. In the uncading quest for greater socuracy, the intelligence community is bound to enocity its techniques of collection and aristysis to incorporate the latest to developments. Some beginnings

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Thousands of manhours will be saved in the intelligence community
what machine translation becomes operations, so see point eventually
of small size. Machines and audible translation, has use of computers
for gaming - medistring anathematically its maintain strategies open
to a foreign mation - is a foreseeable devaluates. The value of the
conclusions will at seasons defined on the cate with the sate the intelligence
community works. It seed set up a model of a root green and test the
behavior of the system under a variety of prescribes conditions; but
the exercise is of intelligence value only ineger as the model approach
reality.

The areas of intelligence interest today of fereign policy, military developments, personalities, sconomic ambitions, scientific solicity probable to example -- seem broadly representative of probable subject extent of intelligence in the space see. The relative register of each subject will of source vary with the demands of the day military intelligence takes on additional importants in the event of het war explaines intelligence remains in high demand if accounts achievement continues to be vital to national strength is military struggle and to national preatige in cold war competition. Increasing consideration of satisfact preatige in cold war competition. Increasing consideration of satisfact intelligence in national estimates is a certain prospect in an age when fechnological breakthoughs by one side may become the all-important factor affecting the balance of forces in the world.

intelligence collection too analyzis will probably be increasingly ineligited in favor of technical methods. Earth satellites equipped with TV conserus and other instruments, for example, should be able to distinguish the classe staned by molear explosion, should be able to exlave many three his success of sequential and military intelligence. These developments, accepts, are hardly likely to eliminate or even diminish the importance of the housen collector and analyst. Photos of factories do not tell all that goes on under the roofs of the factories. The course of political rivalries, the stitludes of passants, the decisions of party councils—these are areas of intelligence fateres; where traditional collection methods should continue to be profitable.

Apart from the assistance that technological devices will afford, the space age is likely to infraction mer contents and malysis. Target estalysis studies of individual industrial plants, for example have limited applicability in situations where devactation of vast areas by bombing and fallout is postulated. A suggious leather than plant approach might be the more logical line of

intelligence will continue to profit of course, from the origination of compasse and methods in other disciplines. The concept of gross national product, developed as a tool of sessionite analysis, has been adapted in recent years to the needs of sessionite intelligence. Tabulations of the inter-industry and inter-regional limits of modes and services have been more difficult to compile in the interior of measurements intelligence and contains are developed in coming years for the limited flater and other communities, it may be possible to draw on them for parameters that can be applied to the study of Communist countries. The progress of academic research in the sectal and natural sciences will always contribute to the justicies of academic research in the sectal and natural sciences will always

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